COMMERCIAL CAR JOURNAL
NOVEMBER 1961

CCJ
THE MAGAZINE OF FLEET MANAGEMENT
A CHILTON PUBLICATION

FLEET BUYERS' DIRECTORY 1962

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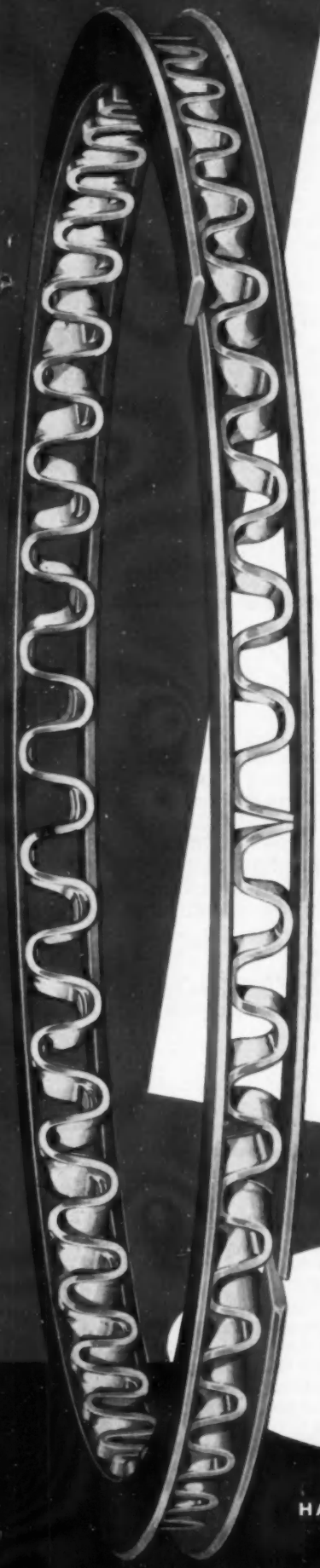

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It's Hastings Flex-Vent—the world's easiest ring to install. Spacer and rails spiral-on in no time flat . . . and you can't install them incorrectly, even if you tried.

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GENTLE
on Cylinder Walls

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CCJ 1962 FLEET BUYERS' DIRECTORY

Easier to use . . . easier to find the suppliers of the multitude of products used in commercial fleet OPERATION, MAINTENANCE, SAFETY. That describes this 1962 edition of CCJ's exclusive service for fleet buyers.

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1962 BUYERS' DIRECTORY
VOLUME 102 NUMBER 4

THE MAGAZINE OF FLEET MANAGEMENT CCJ

Russell W. Case, Jr., *Publisher*
For Business Staff, see Advertisers Index

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Including national, state and local groups of fleetmen . . . and fleet suppliers . . . as well as schools and colleges offering fleet training courses. All of value when it comes to swapping ideas or getting needed information.

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SHULER

lightest-weight design lets your tandem trailers haul 100 pounds more load per trip!

The new Shuler 20-L axle is a major breakthrough in weight-saving. It embodies a completely new engineering approach, a specially-designed steel and five years of research and development. Each axle saves you 50 pounds – 100 pounds per tandem!

Estimate the value of this new axle – *in actual dollars that you yourself can make or save* – by doing a little figuring with the chart at right.

100 lbs. more per load on every tandem trailer trip may easily mean *thousands* of dollars to you every year. Figure it out – then specify Shuler 20-L axles on your next trailer order.

Material Hauled	Additional Gallons with 20-L Shuler tandem axles instead of conventional 20,000-lb. axles
Alcohol	14
Carbon, dry	6
Cement, dry	10.5
Coke, dry	12
Lime, dry	14
Loam, dry	12
Naphtha	14
Oil, cotton-seed	13
Oil, lard	13
Oil, linseed	13
Petroleum	14
Salt	6
Sodium	13
Sulphur, dry	7
Tar	12
Water	12

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CCJ EDITORIAL COMMENT

Monday Morning Quarterbacks

AS COMMERCIAL CAR JOURNAL nears the end of its 50th Anniversary year, it seems only fitting to turn this page over to readers. At press time, comments on the Anniversary Special (distributed in early October as an extra issue) were still pouring in.

With sincere thanks to more than 100 readers who so far have taken time to write, we have selected the more specific comments for reproduction here . . . including *all* of the complaints on editorial content . . .

Bart Rawson
Editor

Sirs:
. . . Sincere congratulations not only for the beautiful job . . . but also for the memories it brings back from the day I started in motor transportation in 1926.

Desmond A. Barry
President, Galveston Truck Lines
Houston, Texas

Sirs:
. . . A very valuable handbook on the growth and accomplishments of this industry. We are happy to have had some small part in helping you prepare it.

Yule Fisher
Research Counsel,
National Highway Users Conference
Washington, D. C.

Sirs:
. . . It lives up to your high standards in every way. Congratulations.

J. Paul Wilson
Editor, Transport Topics
Washington, D. C.

Sirs:
. . . In "Milestones of Motorized Transport" (first pullout) you quote 1904 truck registrations as 7000. Yet in 1905 you say the total is 1400. How come?

Fred B. Hufnagel
Sun Oil Co.
Philadelphia, Pa.

Reader Hufnagel is right. Editor Rawson goofed correcting a galley. The 1904 figure should be 700. Also in the 1945 "Milestones," Studebaker produced 50,000 B-17 Flying Fortresses, not B-47's, a postwar jet model.

Sirs:
. . . It will be of real reference value to me for years to come. Congratulations on such an outstanding publication for the industry.

William E. Albright
Superintendent, Transportation Department
Philadelphia (Pa.) Gas Works

Sirs:
. . . At bottom of page 114 you credit Baltimore Transfer Co. with development of the first all-aluminum frameless trailer in 1934. Brown Trailer built a frameless aluminum trailer in 1931.

Leonard L. Bartlett
Marsteller, Rickard, Gebhardt and Reed
Chicago, Ill.

According to Brown company history, specially prepared for CCJ, Brown's first aluminum trailer came in 1938; first aluminum truck body in 1931.

Sirs:
. . . It will be a pleasure to add this most interesting book to my library.

Warren G. Magnuson
Senator from Washington, United States Senate
Washington, D. C.

Sirs:
. . . It is well thought out, beautifully done and expertly handled, all the way through.

C. B. Ryan
Merchandising, Firestone Tire & Rubber Co.
Akron, Ohio

Sirs:
. . . Unfortunately a veritable catchall of minor and generally inexcusable errors . . . engines of the

(TURN TO PAGE 240, PLEASE)

NOW, IT'S ALL EATON!

THE STUFF THAT WHEELS ARE TURNED BY

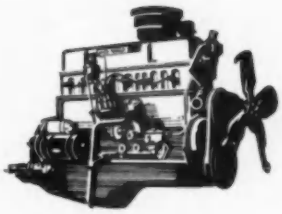
The accent's on torque in a big way for '62, in Chevy's new High Torque power lineup for medium- and heavy-duty trucks. New features, new performance characteristics, and even two brand-new extra-displacement V8's are tailored throughout the line to deliver a heaping hoodful of bulling, bruising torque—to dig in and move out under full capacity loads without a fuss. You'll find Chevy's brand of performance gives you a new kind of mastery over the toughest jobs you tackle, with brute-force breakaway power that just won't take no for an answer. There's no such thing as "no can do" when you're powered up the Chevy High Torque way!

High Torque 261 Six—Standard in Series 60 and 60-H models (GVW's up to 23,000 lbs.). Ideal for hauls that call for load-lugging High Torque power *plus* proved 6-cylinder economy. Delivers 235 ft.-lbs. of torque and 150 hp to handle maximum loads with low-cost efficiency. This engine backs up your bank account with brute strength to spare—with a forged steel crankshaft, high-alloy inlet valves, hard-faced exhaust valves with Roto-coils and much more.

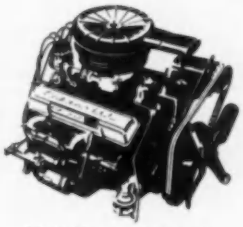
High Torque 327 V8—Optional at extra cost in Series 60 and 60-H (GVW's up to 23,000 lbs.). It's Chevy's newest and biggest medium-duty engine, ready to turn to with 305 ft.-lbs. of hard-pulling torque and 185 hp to tame your toughest jobs. Efficiency stays up, operating costs stay *low* with top-quality features like these: fuel-metering Power-Jet carburetor, durable precision bearings, aluminized inlet valves, hard-faced exhaust valves and full-flow oil filter.

High Torque 348 V8—Standard in Series 80 models (18,500- to 25,000-lb. GVW range). Provides 220 hp and 325 ft.-lbs. of torque to keep big loads moving at lowest cost. Comes equipped with scores of heavy-duty design features such as inside/outside carburetor air system that helps stabilize air supply temperature, highest quality valves and bearings, precision-engineered lubrication, cooling and ventilation systems. This one assures years of low maintenance, high mileage operation.

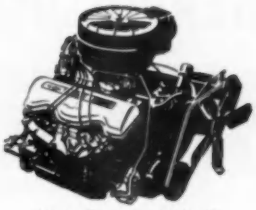
High Torque 409 V8—Optional in Series 80 models (18,500- to 25,000-lb. GVW range). It's the biggest, *pullingest* engine that ever powered a Chevy heavyweight. With a whopping 252 hp and 390 ft.-lbs. of torque, the High Torque 409 V8 is made to order for *extra* rugged runs. Long life and trouble-free performance are sure things, thanks to such special heavy-duty features as induction-hardened valve seats, forged steel crankshaft, new 4-barrel carburetor, to mention just a few. (For *all* the details on High Torque power for your job, see your Chevy dealer.) . . . Chevrolet Division of General Motors, Detroit 2, Michigan.



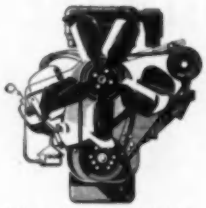
High Torque 261 Six



High Torque 327 V8



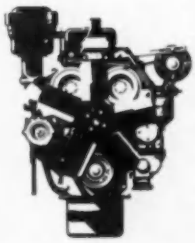
High Torque 348 V8



High Torque 409 V8

PLUS NEW GENERAL MOTORS SERIES 53 DIESELS

For '62 Chevrolet introduces new GM Diesels for medium- and heavy-duty trucks! Specially designed for lowest cost performance in Series D60 and D60-H (15,000 to 23,000 GVW) is the proved 130-hp GM 4-53 Diesel. And, for haulers who work in the Chevy Series 80 range (18,500 to 25,000 lbs.), the new 195-hp GM 6V-53 Diesel will be available soon. If you work your trucks near the limit with heavy loads, high mileages, severe stop and go or excessive idling, you're in for a pleasant shock when you find out how much a Chevy Diesel can save you!



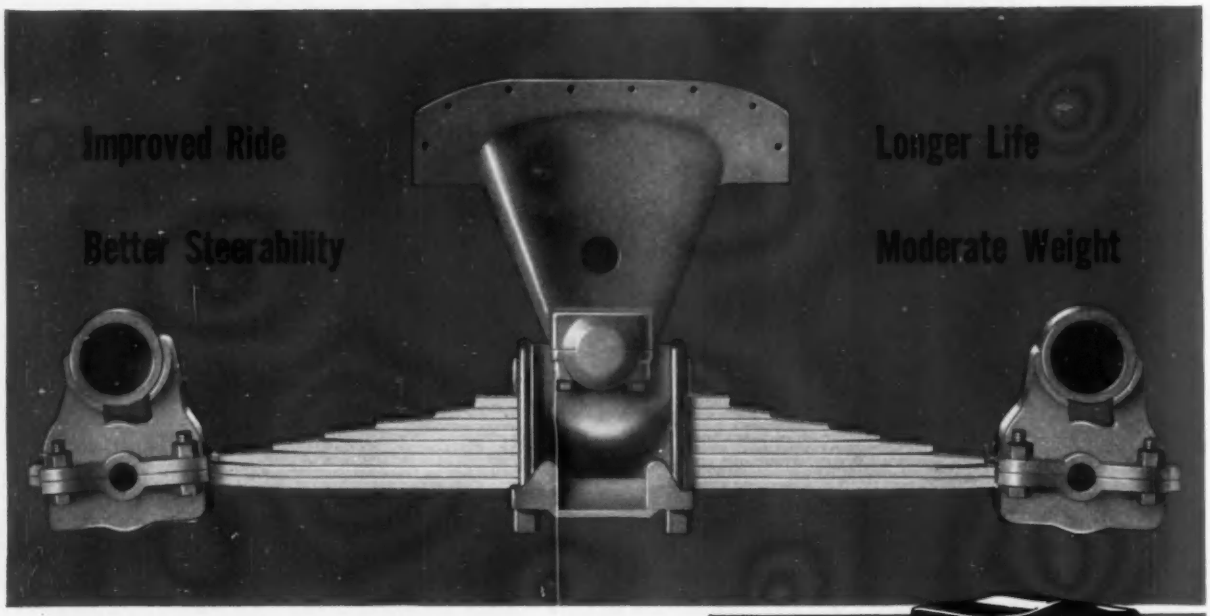
built to keep running and running and running and running and running and running and running and running

1962 CHEVROLET JOBMASTER TRUCKS

CHEVROLET

NOW IT'S ALL EATON!

A NEW TANDEM SUSPENSION



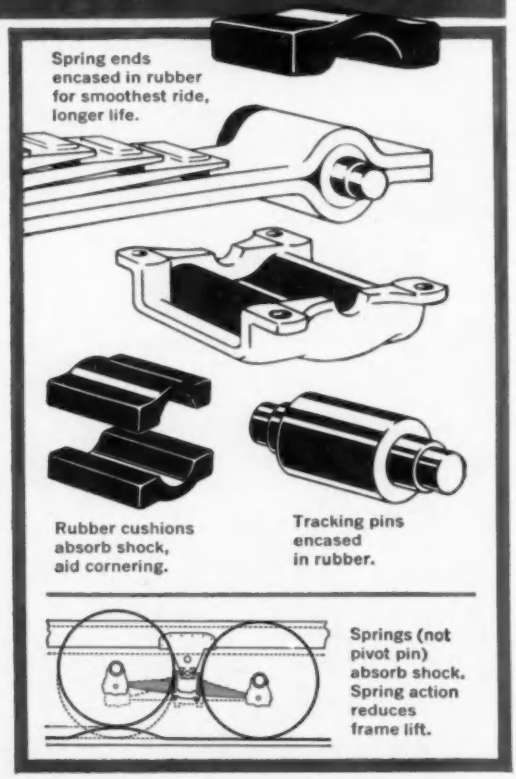
WITH THE GENEROUS USE OF

RUBBER!

This new Eaton suspension takes full advantage of tough, resilient rubber at all points of movement. The result: a smoother ride (loaded or empty), long trouble-free service, more payload and easy, quick servicing when required.

Springs are long, widely spaced with variable rate. Spring ends have rubber cushions and bushings. Rubber inserts between spring leaves reduce interleaf friction. Rugged tracking pins are suspended in rubber. All these mean more driver comfort, more cargo safety, longer equipment life on or off the highway.

Drive and alignment are through **two** main leaves and tracking pin. No lubrication is required.



Ask your truck dealer for complete details on the new Eaton Tandem Suspension, or write us direct.

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CLEVELAND 10, OHIO

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CCJ FLEET MANAGEMENT REPORT

ATA convention emphasizes "gray area" fight

Some 2000 truck fleet executives swarmed into Washington, D. C., last month for the "Big One"—the annual convention of American Trucking Assns. If a predominant theme is to be extracted from many subjects discussed, it would be the "Gray Area of Transportation."

- Stronger measures to curb such actions were proposed by local and short haul carriers.
- Commissioner Tucker of the ICC told contract carriers that "a rise of gray area boundaries between common and contract carriers would weaken both types of service."
- Al Rosenbaum of the regular route common carrier group told members that a "relentless campaign is underway to drive illegal operators off the highway."
- ATA Chairman Welby Frantz called for an end to inter-carrier feuding, urged all to "squeeze emotions out of their dealings with one another."
- Commissioner Murphy reported that the ICC is processing 16,000 complaints a year against carriers.
- In the private carrier meeting, Frank Barton, Deputy Undersecretary of Commerce for Transportation, said his department has no desire to regulate private carriage but was determined to wipe out illegal for-hire operation.

In the important area of selective rate cuts, Senator Mike Monroney of the Senate Commerce Committee told fleetmen that he believed the ICC had erred in recent decisions. He favors adoption of S1197 (of which he is co-sponsor) that would permit a return to well-established principles of rate regulation.

Kenneth Anderson of the United California Bank in a special report indicated that the trucking industry had maintained its financial stature during the recent recession. Said Chairman Pro Tem Neil Curry, "If you have a first class financial man, treat him well. If you don't have one, get one!"

ATA Officers . . .

Elected to head ATA for the coming year were . . .

John J. Gill, this year's president—Board Chairman.

Clarence A. Kelley, Dixie-Ohio Express—President.

C. L. Sanders, Perkins Freight Lines—First Vice President.

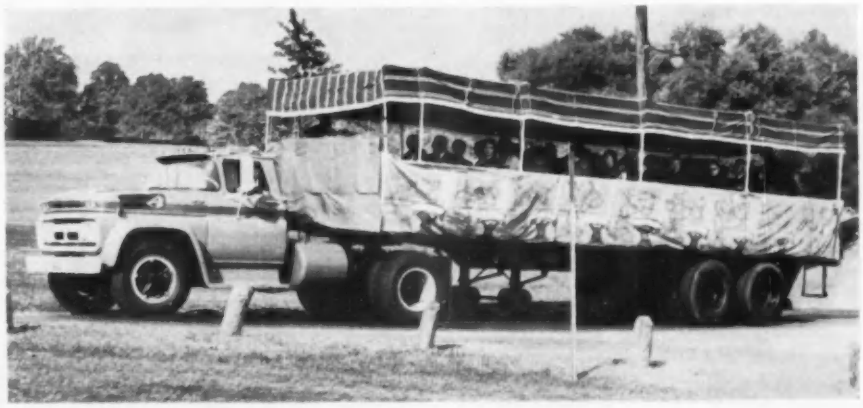
R. Stuart Moore, Los Angeles-Seattle Motor Express — Second Vice President.

O. B. English, Red Ball Express—Third Vice President.

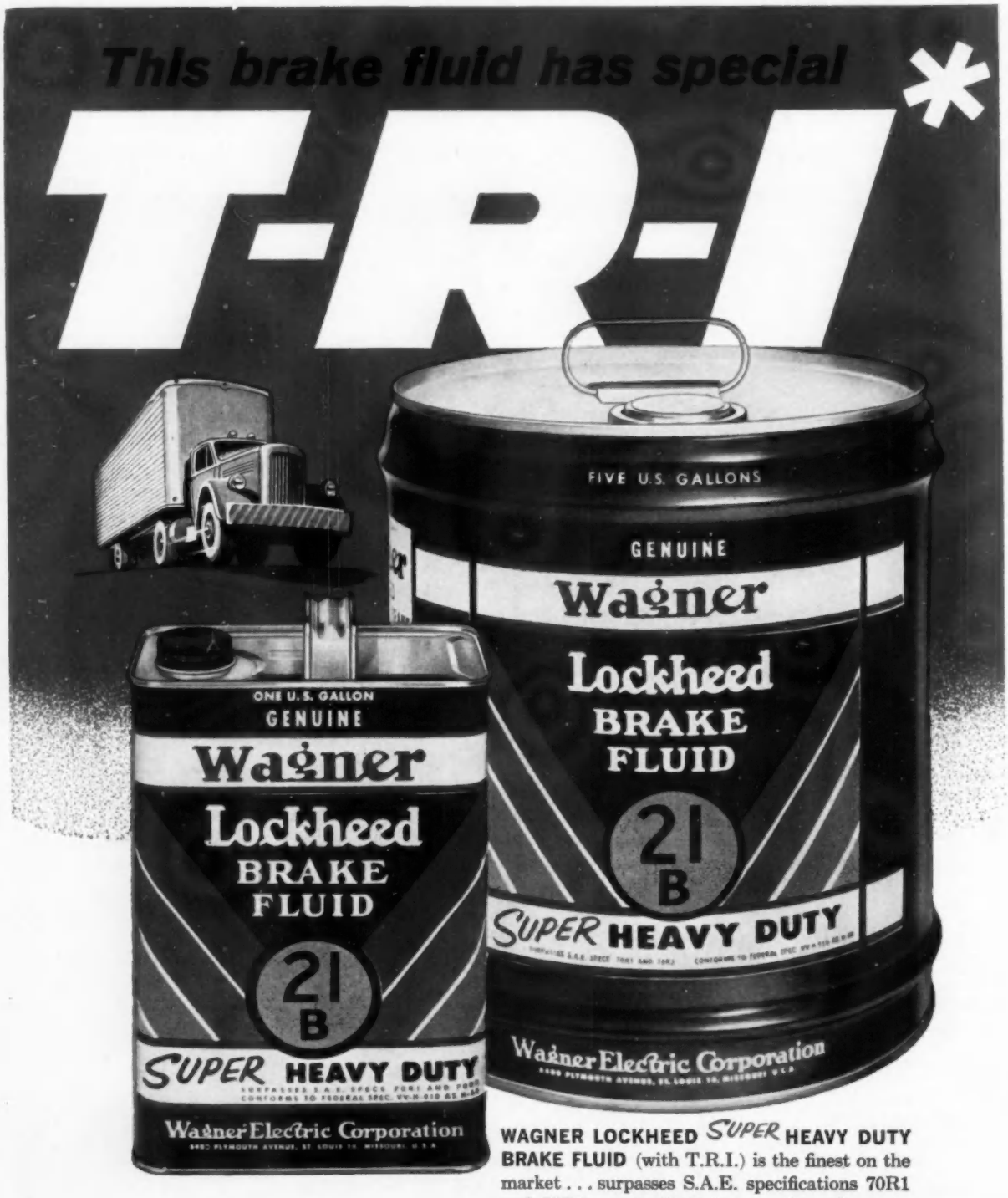
M. M. Gordon, Gordons Transport—Fourth Vice President.

Harry L. Gormley, Keystone-Lawrence Transfer & Storage—Secretary.

John M. Akers, Akers Motor Lines—Treasurer.



RED CARPETED SURREY — This plush model with fringe on top took American Trucking Assns. visitors on a 90-min. tour of Washington highlights. Because it was pulled by Chevrolet's first production diesel tractor, passengers quickly dubbed it "Chevy Diesel Trolley"



WAGNER LOCKHEED SUPER HEAVY DUTY BRAKE FLUID (with T.R.I.) is the finest on the market . . . surpasses S.A.E. specifications 70R1 and 70R3, meets State laws, and conforms to Federal specifications.

You're always right with the Quality Line

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the best known—and most trusted name in brake service products

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BRAKE FLUID

has special *Temperature Resistant Ingredients

for functioning under both high heat and sub-zero temperatures

The patented formula of Wagner® Lockheed® Brake Fluid includes the use of special T.R.I. (Temperature Resistant Ingredients) in the manufacture of this *safe* product.

Compounded in correct chemical balance in the brake fluid manufactured by Wagner, these temperature resistant ingredients help make the fluid *function perfectly under all operating conditions.* Fluid maintains high temperature resistant characteristics, yet functions in sub-zero temperatures.

Correct Chemical Balance of *all* ingredients gives Wagner Lockheed Brake Fluid many additional important advantages:

- The right amount of costly type lubricant to provide proper lubrication to all parts of the brake system.
- Exactly enough moisture absorber so that metal parts in the brake system will not rust or corrode.
- Does not cause cups or hose to swell.
- Forms no gummy residue.
- Does not evaporate rapidly.

You Protect Lives—by providing safer brakes—when you use Wagner Lockheed Brake Fluid in the brake system of a car, truck or bus.

There's no brake fluid *safer* than Wagner Lockheed—and there's none better. Made by Wagner—the world's largest manufacturer of top-quality brake fluid. Used by car, bus, truck and trailer manufacturers as original equipment.

For Details—consult your nearest Wagner Distributor, or write us for information on our complete line that includes brake fluid, brake parts, power brake repair kits, brake lining and lined brake shoe sets. Ask for FREE Catalog AU-500.

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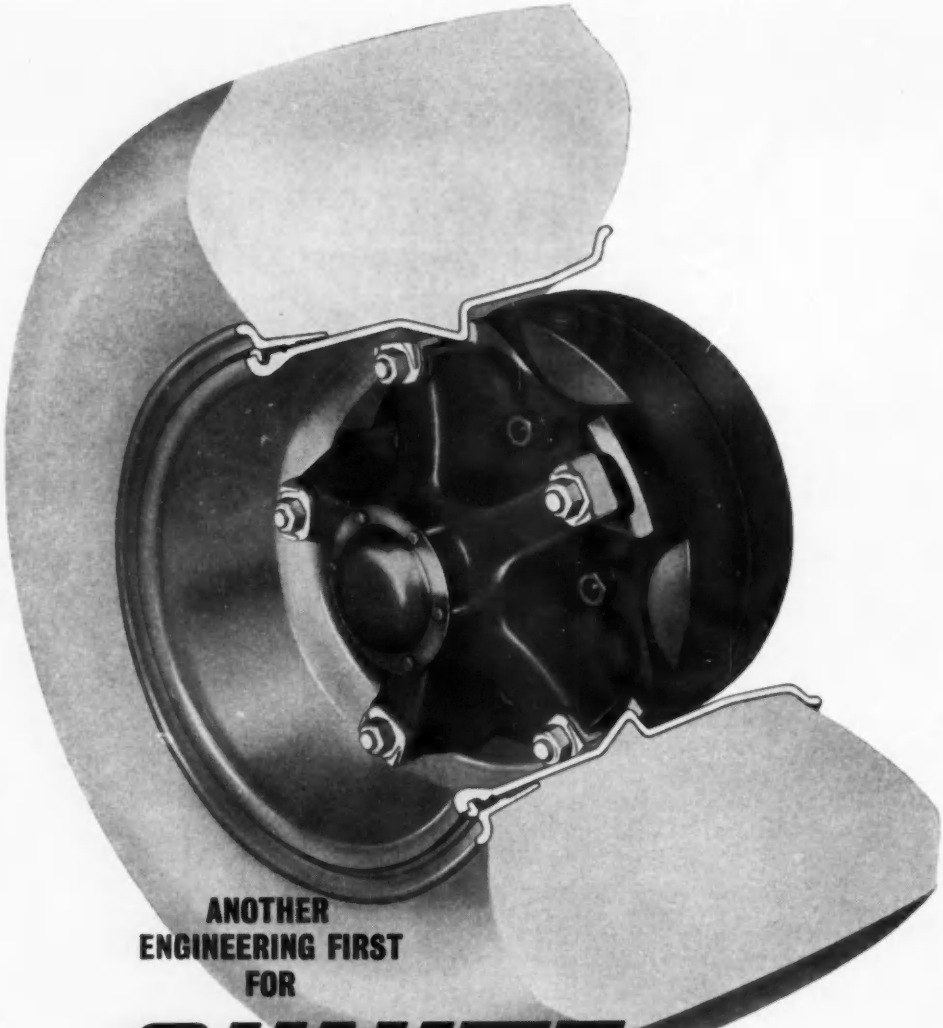

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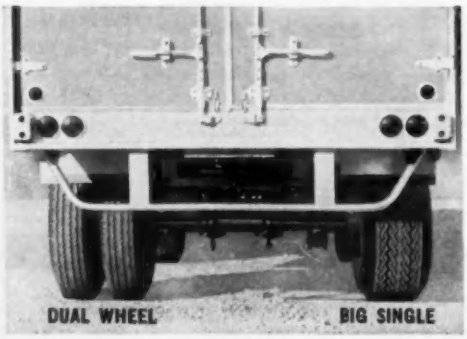
ENGINEERING FIRST
FOR

GUNITE

NOW AVAILABLE . . . A CAST STEEL SPOKE WHEEL FOR THE NEW BIG SINGLE TIRE . . . AND THE ONLY WHEEL THAT FEATURES A DEMOUNTABLE RIM

This new Gunite wheel represents an outstanding achievement in transportation engineering. The demountable rim feature will allow faster and easier maintenance! Reduced service costs! Shorter down time for your trucks and trailers. One more reason why manufacturers, fleet owners and distributors should GO With GUNITE!



CHECK THESE FEATURES!

- DEMOUNTABLE RIM
- LIGHTER WEIGHT
- LOWER COST
- COOLER RUNNING BRAKE DRUMS
- POSITIVE ALIGNMENT
- EASIER MAINTENANCE

GUNITE FOUNDRIES DIVISION, KELSEY-HAYES COMPANY, ROCKFORD, ILLINOIS

GUNITE

GO WITH GUNITE . . . THE GROWING NAME IN CAST STEEL SPOKE WHEELS

Final data from Budd study will be delayed until January

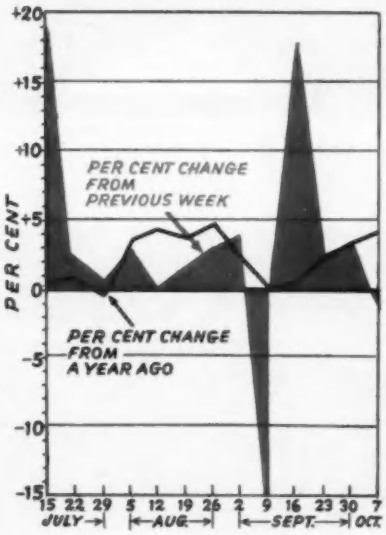
It will be the first of the year before fleetmen will know what the final portion of the ATA Foundation-Budd Study shows. It's concerned with finding the specific costs of various maintenance operations.

However, some facts have already been fed out of the data processing machines. Some are very significant:

- Present industry trend is toward "demand repair" rather than "scheduled repair" for maintaining major components.
- Maintenance-record keeping in the industry is not really adequate.
- Cost records will have to be standardized before proper comparative analysis by and between carriers is possible.
- Most deficiencies in record keeping and use result from inadequate records and insufficient analysis of adequate records.

The Budd Study was begun in 1958, has cost a total of $32,000 to date. Collection and interpretation of data are being done by ATA's Dept. of Research and Transport Economics.

TRUCK TONNAGE



AFL-CIO goes easy on luring defecting Teamsters back, but will accept them

AFL-CIO Executive Council has decided to soft-pedal any move to lure defecting Teamsters' locals back to the AFL-CIO fold. But the group agreed at its October conclave to welcome home any Teamster locals that asked for readmission.

The move was expected in light of AFL-CIO attitude in the years since James R. Hoffa's Teamsters were expelled. But the action fell far short of some labor spokesmen's attempts to get all Teamsters back.

Don't want Hoffa

At the same meeting, the nation's largest labor group refused to take the Brotherhood of Teamsters back en masse (25-2 against readmission).

It all means that defecting locals now have a place to go.

Something to think about

AFL-CIO's move will mean much to the thinking of dissident groups as the wave of defection talk sweeps through Teamster ranks.

However, don't expect it to bring about a very large number of defections. For instance, in Philadelphia's Teamster squabbles, Local 107 is simply trying to clear up internal problems. They're not really giving defection much thought.

Panelists challenge census

Trucking industry spokesmen challenged government representatives and truck manufacturers over the need for a national census of transportation.

The debate took place at the ATA's Private Carriers Conference annual meeting in Washington last month.

Fred B. Hufnagel, Sun Oil Co., Philadelphia, said the proposed census would impose an added burden on private carriers from which they would receive no benefit. Both he and ATA's Allan C. Flott expressed fear that the census information would be used by rails for selective rate cutting.

Supporting the census were Donald B. Church of the U. S. Bureau of Census and Dodge Trucks' George F. Butts. Mr. Church said the government needs the data for setting policy. Mr. Butts said manufacturers need the data for marketing plans.

Mr. Hufnagel's and Mr. Flott's answer: The government should use all the data already being collected by federal and state agencies.

McClellan wants to curb Hoffa

Sen. John L. McClellan of Arkansas is sponsoring legislation to curb the power of the Teamsters' Union.

His proposal would nullify James R. Hoffa's hopes of uniting all transportation unions. It would also limit his power to call a nationwide trucking strike, the Senator says.

It would make it illegal for any transport union to call a strike in concert with another union if the effect would "substantially" be to curtail transportation services. It would apply even if the second union was a sister local within the same national or international.

(TURN TO PAGE 304, PLEASE)

NEW FRUEHAUF *Twin 20's* . . . Revolutionary Tailored to Fit

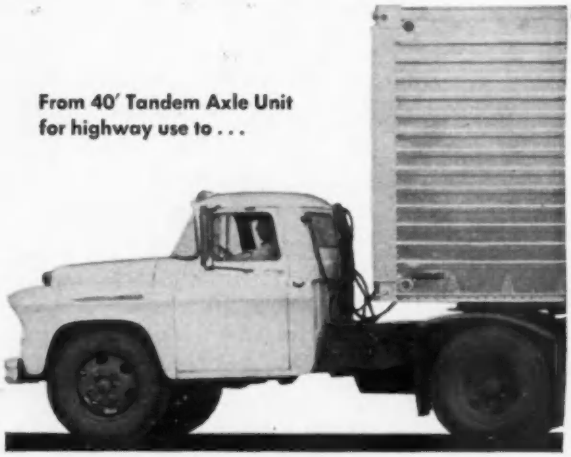
Fruehauf, world's largest creator and builder of container systems, has added a new dimension to transportation... complete flexibility!

The new Twin-20's incorporate all of the customer-advantages of complete interchangeability of body and chassis units—real flexibility for every shipping need!

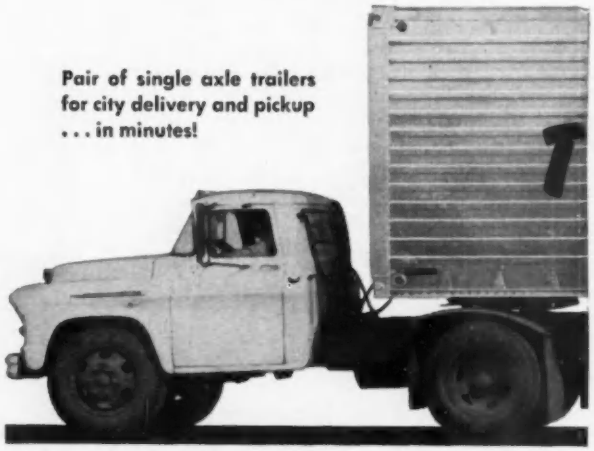
All Twin-20's units are equipped with adjustable and removable underconstruction and two-speed square leg supports. Breaking-and-joining of the two units can be accomplished by the driver in minutes.

The new trailer-containers are equipped with corner castings capable of taking concentrated loads of six-high stacking in cellular loading, crane loading, and for locking the units together horizontally, vertically, and side-by-side.

For complete information on this completely new container concept, write to: Container Division, Fruehauf Trailer Company, 10940 Harper Avenue, Detroit 32, Michigan.



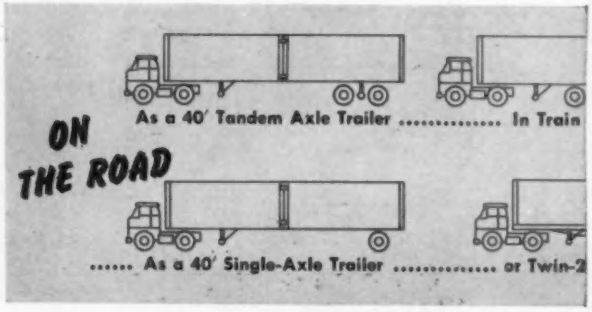
From 40′ Tandem Axle Unit for highway use to . . .



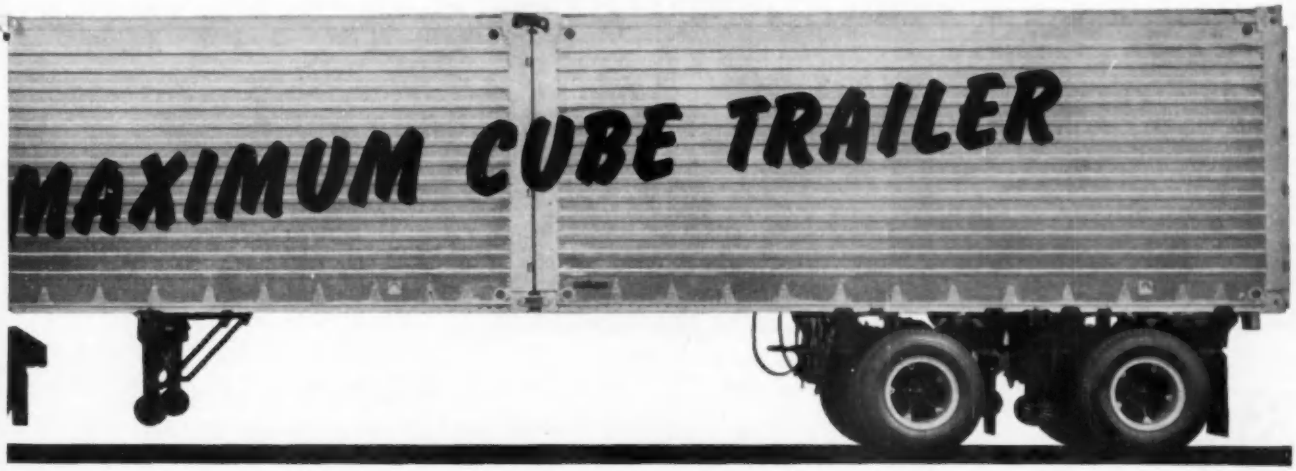
Pair of single axle trailers for city delivery and pickup . . . in minutes!

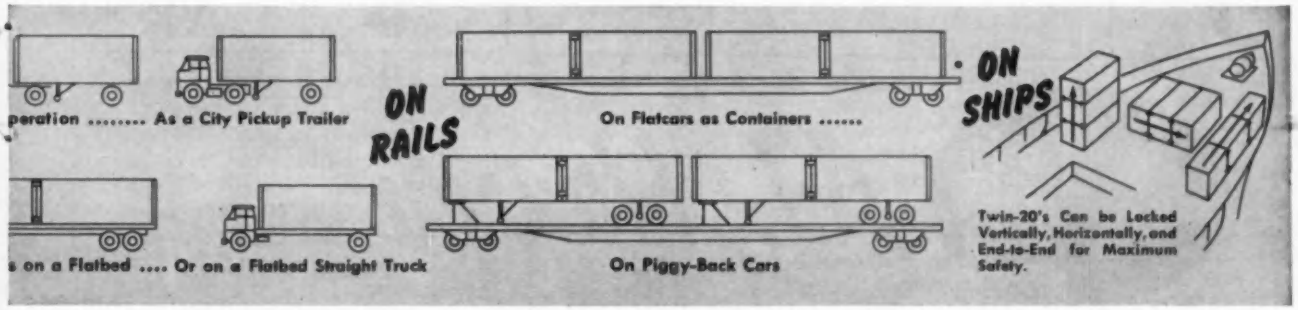
FRUEHAUF CONTAINER SYSTEMS

MOST Containers Produced!
HIGHEST Dollar Sales Volume!
GREATEST amount of Cubic Feet of Container Space Delivered!



New Transportation System Every Shipping Need!

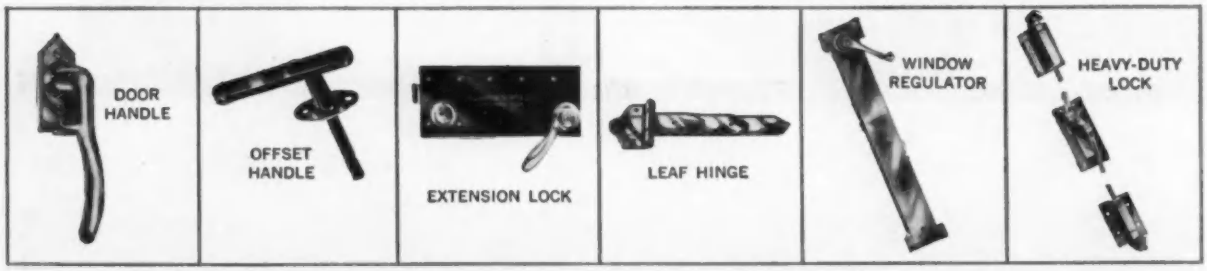




Specify...

HANSEN Commercial Body HARDWARE

For every type of body job, it makes good sense to insist on HANSEN COMMERCIAL BODY HARDWARE. That's because every item in this line is first class in quality, design and performance. Just remember the name **HANSEN...THE HARDWARE FOR HARD WEAR!**



SEND for your big free Hansen Catalog 22

HANSEN HARDWARE for Commercial Bodies

A.L. Hansen MFG. CO.

5037 Ravenswood Avenue Chicago 40, Illinois

Single-leaf springs are comers

Within the next two years single-leaf springs will spread to a number of makes. They were introduced in the 1962 model year by Chevy II.

Several suppliers tell CCJ they're working closely with car companies in developing new suspension systems.

One source says that cars using any form of multi-leaf springs will change over to fewer leaves. One and two-leaf springs will become the most common, they predict.

Currently most cars use about a four-leaf setup. Makes now using coil springs probably will take some other route. Many are being explored at the moment—including air-oil suspensions.

On turnpikes: Cruise at 100?

Average car owner expects factories to be producing automobiles within five years that are designed to cruise at 100 mph on America's new highway system.

According to a poll recently conducted by Chilton's AUTOMOTIVE INDUSTRIES, four out of five car owners expect factories to build in such potential.

Highways, says AI's Editor and Publisher Hartley Barclay, are the chief factors holding back such performance today. Already, all sizes of passenger cars —from compacts to luxury models—have performed satisfactorily on well built test tracks at speeds over 100 mph.

Doubt 100,000-mile warranties

The average driver, the survey shows, is hopeful that within five years service warranties based on 100,000 miles of use will be standard on auto engines. However, despite talk at the factories that 100,000-mile warranties are just around the corner, users do not expect them for other components and parts, including transmissions, brakes, tires, electrical systems and cooling systems.

Cycle's over—compacts to grow

It was bound to happen. The three-year cycle is up. Detroit is making some new decisions about the compact cars which started to invade the market in 1959.

Setting the trend will be the Dodge Lancer. It'll be stretched from its present 106.5-in. wheelbase to 111 in. in 1963. It will be proportionately longer over-all. And for the first time since its introduction, it will break relationship with its brother, the Valiant. Both cars will have completely new and distinct body shells, roof panels, deck lids, etc.

The 1962 Falcon and Corvair are now also in their third year. Neither has gone through major styling changes, only new grillework and exterior mouldings. Look for some surprises from these two in 1963.

Definition of a compact

Length is a more important yardstick than wheelbase in determining what constitutes a "compact" car. That interpretation comes from American Motors' President George Romney. He says all cars measuring under 200 in. overall should be classified as compacts. As far as he's concerned, the new "intermediates" fall in this category, along with a couple of standards.

On the other hand, Ford Division's boss, Lee Iacocca, contends his new Fairlane (197-in. overall) is not a compact. The Fairlane, he points out, is comparable to the 1959 Ford in interior dimensions—and the '49 Ford in outside dimensions.

And how do you classify the Volkswagen-size vehicles Ford and Chevrolet have in the works?

Heaters become standard

Back in 1922 at least six factories offered heaters as standard equipment. But because they upped the price of the automobile, they were dropped soon afterwards into the "extra cost, option" category. That's where they remained until 1962 models were introduced.

Today, with demand at nearly 100 per cent, heaters have again become standard equipment—on all Ford Motor Co. and General Motors cars.

They still are an option on all other makes—but not for long.

The first heater to be offered as original equipment appeared in 1907, on the Postal car. It cost the new car owner $25 as an option.

Old story: 7-million car year

Forecasts for the 1962 model sales are almost identical to those made last year for 1961 auto sales.

During the 1961 model season, auto executives' estimates ranged from 6.5-million to 7-million—about the same as those being made now for next year.

Unfortunately, 1961 is not expected to live up to original expectations. You'll see about 6-million cars sold—not too bad, considering economic factors and other unexpected variables.

For 1962, however, things look better. It's conceivable the industry could even top 1955's record.

In addition to a more stable economy, there seems to be more enthusiasm generating in all quarters of government and industry.

Double your
—drive tire costs down—with the

PROVED:
Wider, flatter tread puts more rubber on the road for smooth, even rolling — longer wear.

PROVED:
Thicker tread (up to 60% deeper than conventional tires) is compounded with super-toughening agents for longest-lived, slowest-wearing rubber produced today.

PROVED:
Wide, scientifically placed grooves vent heat, provide cooler running temperatures, help keep heat build-up to safe minimum.

PROVED:
Hundreds of deep-cut gripping edges guard against slips or spins, provide safer, surer traction at all times.

PROVED:
3-T Process Nylon Cord body fights heat, shock and fatigue — can be recapped again and again.

No newcomer to America's highways is the Hi-Miler Cross-Rib by Goodyear. This is the thoroughly proved veteran of a conservatively estimated billion miles of hauling on all kinds of roads, under all kinds of conditions.

RESULT: Actual report after actual report of the Cross-Rib drastically reducing tire costs by delivering double the drive-wheel mileage—and more—of any conventional truck tire.

This is fact, not clouded claim. This is proved performance, not projected promise. This is what the Cross-Rib can do—and does.

Put yourself miles ahead by buying or specifying the Cross-Rib tire or any of the top-performing Goodyear truck tires. See your Goodyear Dealer or write: Goodyear, Truck Tire Dept., Akron 16, Ohio. Lots of good things come from Goodyear.

M.E.S. CAN SPELL BIG SAVINGS FOR YOU!

The new Goodyear Mileage Engineering Service costs you nothing in fees, extra equipment or man-hours, yet can provide new lows in tire cost-per-mile and capital investment. Basically, M.E.S. is a new plan of tire rotation that lets you get maximum benefit out of Cross-Ribs and other long-wearing Goodyear tires and keeps your trailer tire needs in balance. To put M.E.S. to work for you, just write Goodyear, Truck Tire Dept., Akron 16, Ohio.

TOP TEAM FOR BIG TRUCKS

HI-MILER CROSS-RIB
for drive wheels

TRACTION HI-MILER
for front wheels

GOOD

drive-wheel mileage
billion-mile-proved CROSS-RIB

NOT JUST ANOTHER CLAIM, BUT ANOTHER ACTUAL PROOF:

"Drive-wheel Mileage More Than Doubled with Cross-Ribs"

—reports G. E. Paschall of East Texas Motor Freight

"We've been using Cross-Ribs for three years now," continues Mr. Paschall. "And they've been rolling up an average of more than 117,000 miles before being switched to trailer wheels for many more miles of run-out. That's really better than double the average of only 56,000 miles from previously used standard tread tires, before recap or run-out.

"Naturally, we're interested in tire economy, but safety and on-time arrivals take priority. And that's where the traction and dependability of Cross-Ribs play a big part."

YEAR

MORE TONS ARE HAULED ON GOODYEAR TRUCK TIRES THAN ON ANY OTHER KIND

Hi-Miler—T.M. The Goodyear Tire & Rubber Company, Akron, Ohio

More details? Circle 111 on reply card inside back cover

• A bright, clean appearance of vehicles and equipment is important in the food business. Vlasic Foods, Detroit, Mich., operating a large fleet, use DITZLER Finishes to give their trucks that lasting "quality" look.

3 good reasons why it will pay you to paint with the DITZCO® system...

• Have you tried DITZLER'S SPEED-SAND Primer-Surfacer? Sprays with a minimum of "fog" and flows out smoothly. Finely-ground pigment particles pack evenly, make sanding faster and easier. Higher solid content gives you better and faster filling, which means fewer coats and a smoother enamel finish. Ask your local DITZLER jobber for SPEED-SAND.

❶ **LESS DOWN TIME**—because this modern method greatly speeds up application and drying.

❷ **LOWER COST**—because the highly pigmented solids cover better, less material is required to do the job.

❸ **LONGER LIFE**—because the brighter color and gloss retention of DITZLER Finishes keeps your trucks looking better longer and gives you more advertising value and greater mileage between paint jobs.

Ditzler Color Division, Pittsburgh Plate Glass Company, Detroit 4, Mich. . . . Torrance, Calif.

DITZLER®

PAINTS • GLASS • CHEMICALS • BRUSHES • PLASTICS • FIBER GLASS

PITTSBURGH PLATE GLASS COMPANY

IN CANADA: CANADIAN PITTSBURGH INDUSTRIES LIMITED

Christmas can hold good will possibilities for transits, too

Four transit properties again this year will cash in on the inherent public relations (and profit) potential in the Christmas season. They'll send charter buses to the brightest and most handsomely lighted neighborhoods in their cities.

All four local projects are good seasonal profit-makers for the transits involved. All are simple enough for any city's Christmas lighting projects. Maybe the experience of any one of these will help you set up a Christmas lights program, capitalize on the PR possibilities, bring some Christmas cheer to your accountants. . . .

Saskatoon (Canada) Transit System has been operating a Christmas lights tour for about five years. It runs the four nights before Christmas. (They found the period between Christmas and New Year's was not popular with passengers.)

STS publicizes the tours through paid newspaper space, car cards, and free mentions on television and radio newscasts.

Tours are 12 miles long and take about an hour-and-a-half. Fares this year will be 50¢ for adults, 25¢ for grade school children (a boost from 35¢ and 15¢).

Saskatoon Transit requires telephone reservations to make figuring the number of buses easier. In 1960 the tours required four 50-passenger and one 36-passenger bus each evening.

Cleveland Transit System garnered valuable newspaper space by keeping local papers posted on Christmas lights plans last year. Here are excerpts from a "review" in the CLEVELAND PLAIN DEALER:

"Many delighted exclamations of 'Oh!' and 'Ah!' filled nine buses of the Cleveland Transit System last night as first tours of Greater Cleveland Christmas lighting were taken. . . . From Broadview Road near Seven Hills and Parma, the sight of the lights of Greater Cleveland was worth the price of the trip. . . ."

It was the first experience of the Cleveland transit property in Christmas lights tours.

Yet in one year the firm had set up a comprehensive program of three separate two-hour tours. All three had different starting points and different itineraries. They were conducted the five nights following Christmas (though in many cities the tours could begin as far before Christmas as December 15).

Passengers, who bought tickets with guaranteed seating, totaled 2150 by the end of the fifth night. They weren't told the exact route in advance, either.

Cleveland Transit charged $1 for adults and 75¢ for children. The system at first sold reserved seat tickets only during the before-Christmas promotion. But the charter proved so popular that the firm was selling tickets on the spot toward the end of the "season."

Cooperation between Cleveland Transit and the Zoo paid off, too. When the buses rolled by to show passengers the Nativity scene, the zoo's carillon chimed out with "Angels We Have Heard on High."

When passengers left their buses at the end of the tours, CTS gave each a candy cane with a Christmas greeting attached.

Buffalo Transit Co. makes a bargain of its tours. Fares are 98¢ for adults, 49¢ for children. But it's still a very profitable operation for the three hours' ride from downtown through decorated residential areas.

J. G. Campbell, the company's president, says the tours have been set up and advertised only "in a small way."

His conclusion: "It was very gratifying to know that we could operate the service in three hours' time —and our rate of 98¢ made it very profitable."

Toronto Transit Commission has operated a 35-mile tour each year since 1953. The trip takes two hours.

They've sub-divided the operation in recent years, however, to cash in on both charter and individual passenger tours.

When charter was first offered in 1956, it required 11 buses to take groups around. By last Christmas the charter service accounted for 47 bus loads.

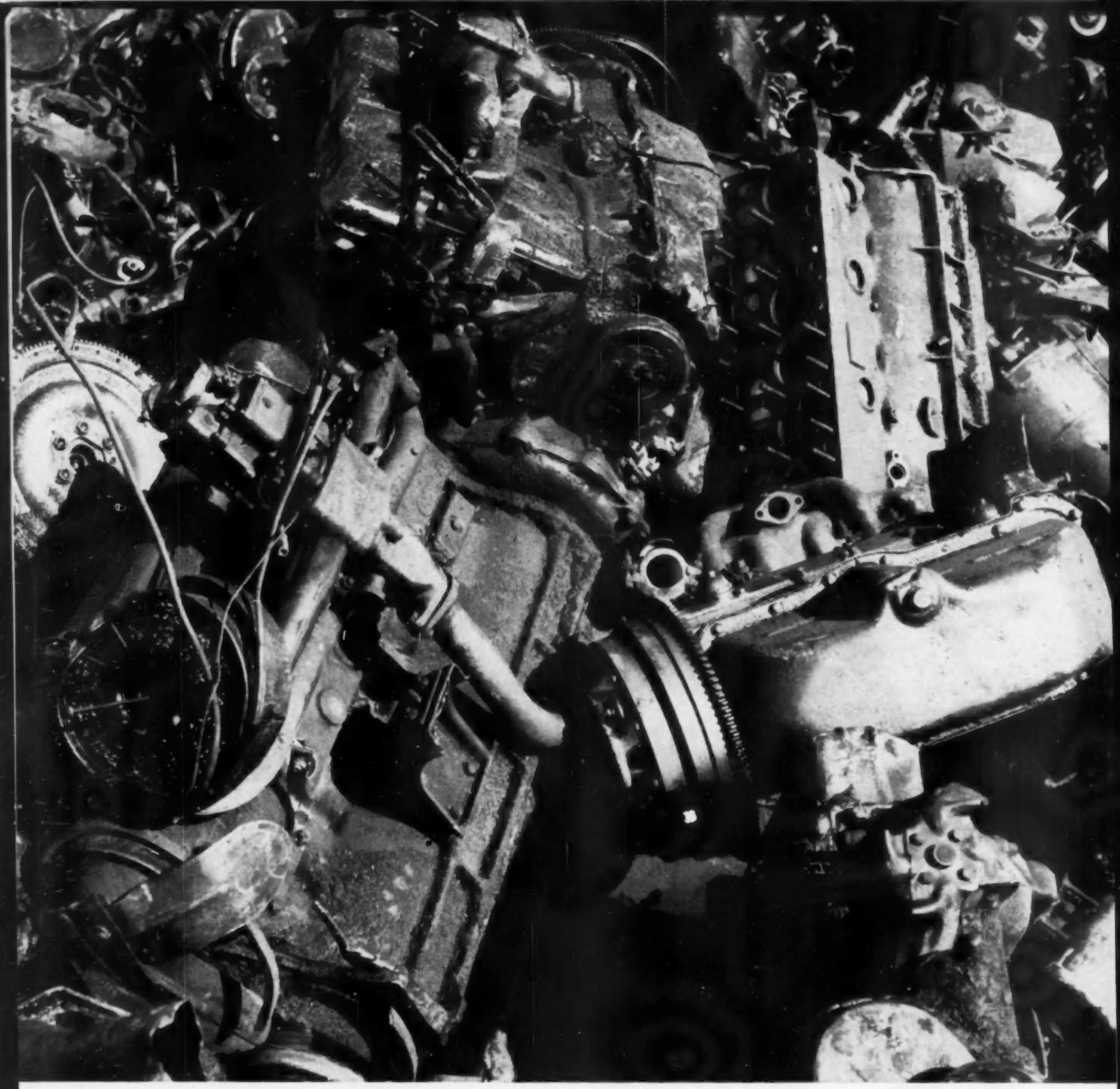
The fare schedule has risen, also. In 1956 and 1957, adult fare was $1, children—50¢. For the past four years the fare has been $1.25 for adults, 75¢ for children.

Toronto has had some trouble keeping the total number of passengers up. In fact, last year, it was less than half the number in 1956. Reason, says TTC, is the vast amounts of lighting being done all over the city. In 1956 the special lighting was confined mainly to the well-to-do residential districts and commercial and industrial buildings.

One source of charter service TTC can now count on is a charitable move by local service clubs. They've been underwriting the cost of charter buses for senior citizens' groups or for shut-ins.

TTC relies mainly on car-card advertising, along

(TURN TO PAGE 326, PLEASE)



How to keep them out of the graveyard longer

Why do some engines die before their time? The answer could be in the lubricating oil you are using. Hundreds of documented case histories show that fleet owners have added up to 50% to the life of their engines . . . using RPM DELO Oil. Special compounding cleans and protects vital engine parts . . . reduces over all maintenance costs. In fact, many fleet owners say "RPM DELO" *is* preventive maintenance. Try it. Your equipment will be rolling for a long time to come.

STANDARD OIL COMPANY OF CALIFORNIA
San Francisco 20
STANDARD OIL COMPANY OF TEXAS
El Paso
CALIFORNIA OIL COMPANY
Perth Amboy, N.J.—Denver

LUBRICATING OILS RPM DELO

More details? Circle 113 on reply card inside back cover

TRADEMARKS "RPM DELO" AND CHEVRON DESIGN ®

How long can you VIBRATE efficiently?

Increased on-the-job time, better customer relations, safety improvement with reduction of insurance costs, lower driver turnover, less absenteeism, low seat maintenance costs—these are some of the benefits of Viking T-BAR seating. All add up to lower operating costs, improved profits.

Suppose your desk chair bounced and vibrated all day long. What would happen to your work output—your earning value to your company?

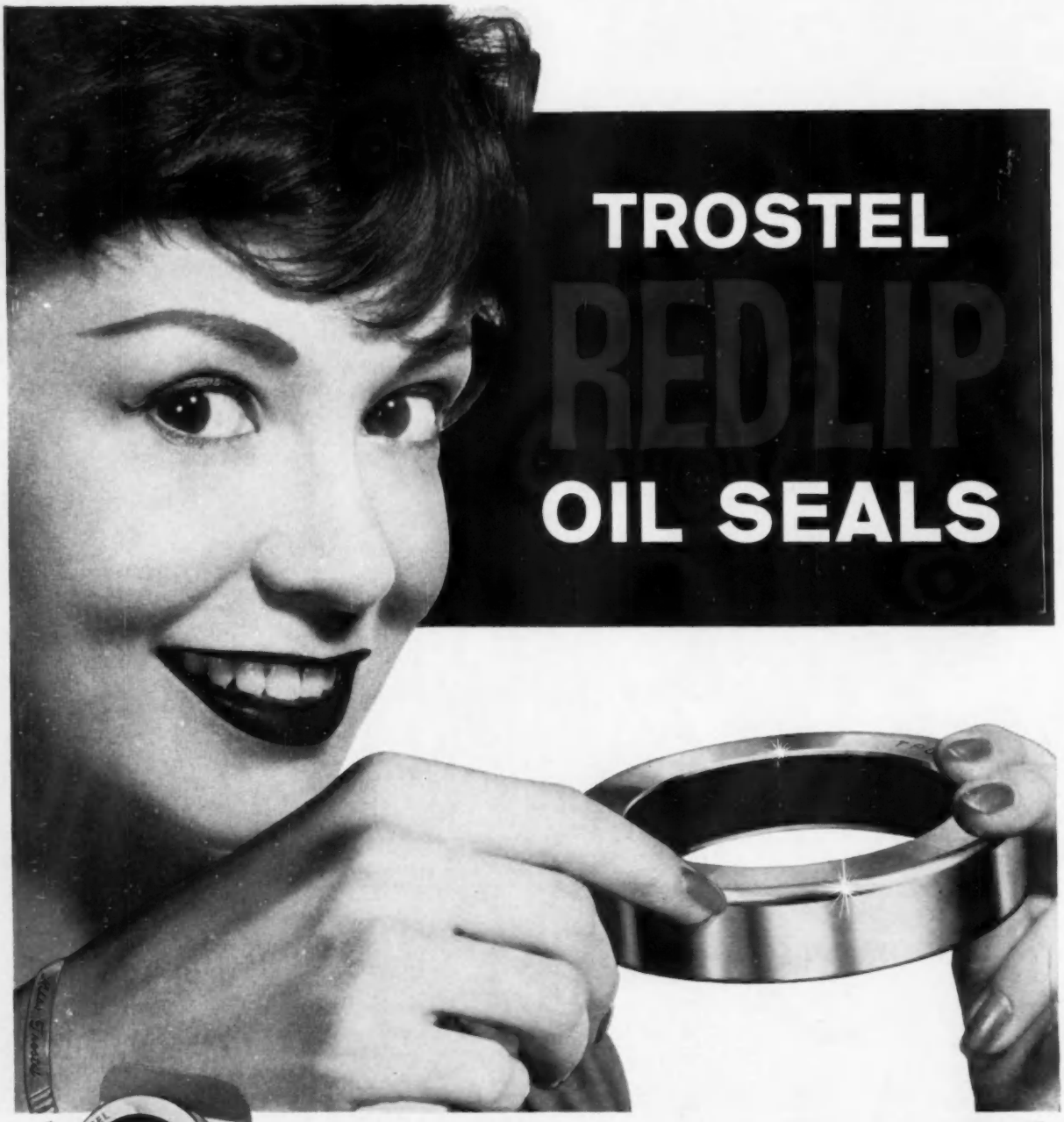
You can experience such fatiguing, productivity-reducing action by driving your trucks with standard seats. Jolts, jars, vibration and back slap soon take their toll.

Then experience the smooth, non-tiring ride on a Bostrom Viking T-BAR* Suspension Seat. Road shock and vibration gone—soaked up in the torsion-bar suspension system under the seat—instead of amplified in your body. Drivers report they can keep going all day without tiring. Your investment in Viking T-BAR seats is returned by two to three times in increased productivity, steadier driving, improved schedules and in healthier, more cooperative drivers.

It pays to equip your new and older trucks with Viking T-BAR Suspension Seats. See your truck dealer or parts distributor.

*Trade-Mark

BOSTROM CORPORATION • 133 West Oregon Street • Milwaukee 4, Wisconsin



the lip does it!

cuts friction - seals better at higher and lower temperatures prevents leakage - lasts longer

Never before has there been a seal like this . . so trouble-free that once installed your job is **done!** See your jobber

1

ALBERT TROSTEL PACKINGS, LTD. LAKE GENEVA, WIS. A complete producing organization for Oil-Seals, O-Rings, Packings.

CCJ FLEET MANAGEMENT REPORT

ATA comes to aid of Telpak

American Trucking Assns. has petitioned for permission to intervene in the Federal Communications Commission's case holding up Telpak service to fleets.

FCC, in September, suspended Telpak tariffs for three months. That gave them time to reconsider the entire package American Telephone & Telegraph is offering, including a revision that worked around earlier difficulties.

ATA wants to tell the FCC what use fleets would make of the service, how much fleets need Telpak with its chared facilities, and the reasons why AT&T's revised tariff would benefit truck interests.

New DKW engine has metered oil

An automatic oil injection system which meters out proper amounts of oil is one feature of a new two-cycle DKW engine. Normally, oil for two-cycle engines is added to the gasoline at a 40-1 ratio. With the metering device, the oil is added at the carburetor at 100-1 to 200-1 ratios depending on engine speed and load.

The 48.8-cu in engine has a torque of 52 lb ft at 2500 rpm.

Government fleets run cheaper

When the U. S. Government totals its fleet costs (see April, page 198) figures are often surprisingly low. Readers query CCJ on the reasons for the lower costs—even lower than leasing.

General Services Administration tells CCJ:

"Every study we've made of leased vehicle costs shows it is cheaper for the government to operate vehicles it owns."

They point out that it may not work out this way for private firms when initial costs, taxes and operations are taken into account.

They don't know why. Also, they don't know whether a smaller government unit—a city or county—will find it cheaper to buy or lease.

Tires: Tyrex wear, steel cord, heat

What makes tires wear—or wear out—is the prime question factories are trying to answer. They attack the problem from many angles. Here are recent developments that may play a part in the fleet tire picture of the future:

- Raymond C. Firestone, president of Firestone Tire and Rubber, says his company has developed the W2A tire which combines either nylon or rayon cord with steel cord. He claims it runs about 65°F. cooler than fabric cord tires, gives about twice as much tread wear and has 72 per cent better impact resistance. Difference between Firestone's and others' use of steel cord is the way the layers of cord are laid down. Firestone runs all plies in the same radial direction from edge to edge, not alternately as in conventional tires.

They should be available for the general truck fleet market in a year or two. But you'll probably not use them on an automobile. "They rumble," said Firestone.

- CCJ asked Tyrex, Inc., how its test of Tyrex vs nylon cord was run at the Glen Canyon Dam site in Arizona.

All tires were regular production General DCL tires with an original tread depth of ¾ in., Tyrex said.

Result of running the tires on round trips of over 200 miles on mountain and desert roads by Belyea Truck, Inc.: 31.8 per cent more tread left on the Tyrex cord tires when the nylon cord tires were ready for retreads.

Tyrex says the difference is nylon's "tendency to 'grow' under pressure, put the tread rubber under greater tension."

- Unison Electronics, Grand Haven, Mich., has a new device which electronically senses running tire temperatures.

Unison Electronics is developing the device for anything that involves heat (including diesel engines), may find many fleet applications for it.

It alerts the driver if a certain piece of equipment reaches a critical temperature. Expect it to hit the market around the first of the year.

PRODUCTION

In thousands of units, except bus sales are in actual numbers	New Truck Registrations		Truck Factory Sales—Domestic		Trailer and Trailer Chassis Shipments		Bus Factory Sales—Domestic		Truck and Bus Tires: Replacement Shipments		Truck and Bus Tires: Original Equip. Shipments	
	Aug.	8 Months	Aug.	8 Months	Aug.	8 Months	Aug.	8 Months	Aug.	8 Months	Aug.	8 Months
1961	82.0	600.4	55.5	592.5	5.0	34.2	270	2496	949.6	6153.7	271.4	2372.6
1960	81.4	652.6	53.3	694.2	4.5	46.7	347	2796	823.2	6299.6	219.0	2966.7

Millington adapts foam

Millington Truck Body Co., Millington, Mich., is offering foamed-in-place urethane insulation in all of its truck bodies (see "Refrigeration—A Special Report," March, page 97).

Millington bodies are available with steel, aluminum or plastic exteriors with the urethane foam bonding them to galvanized, aluminum or plastic interiors.

(TURN TO PAGE 318, PLEASE)

Now Goodyear rims are precision-

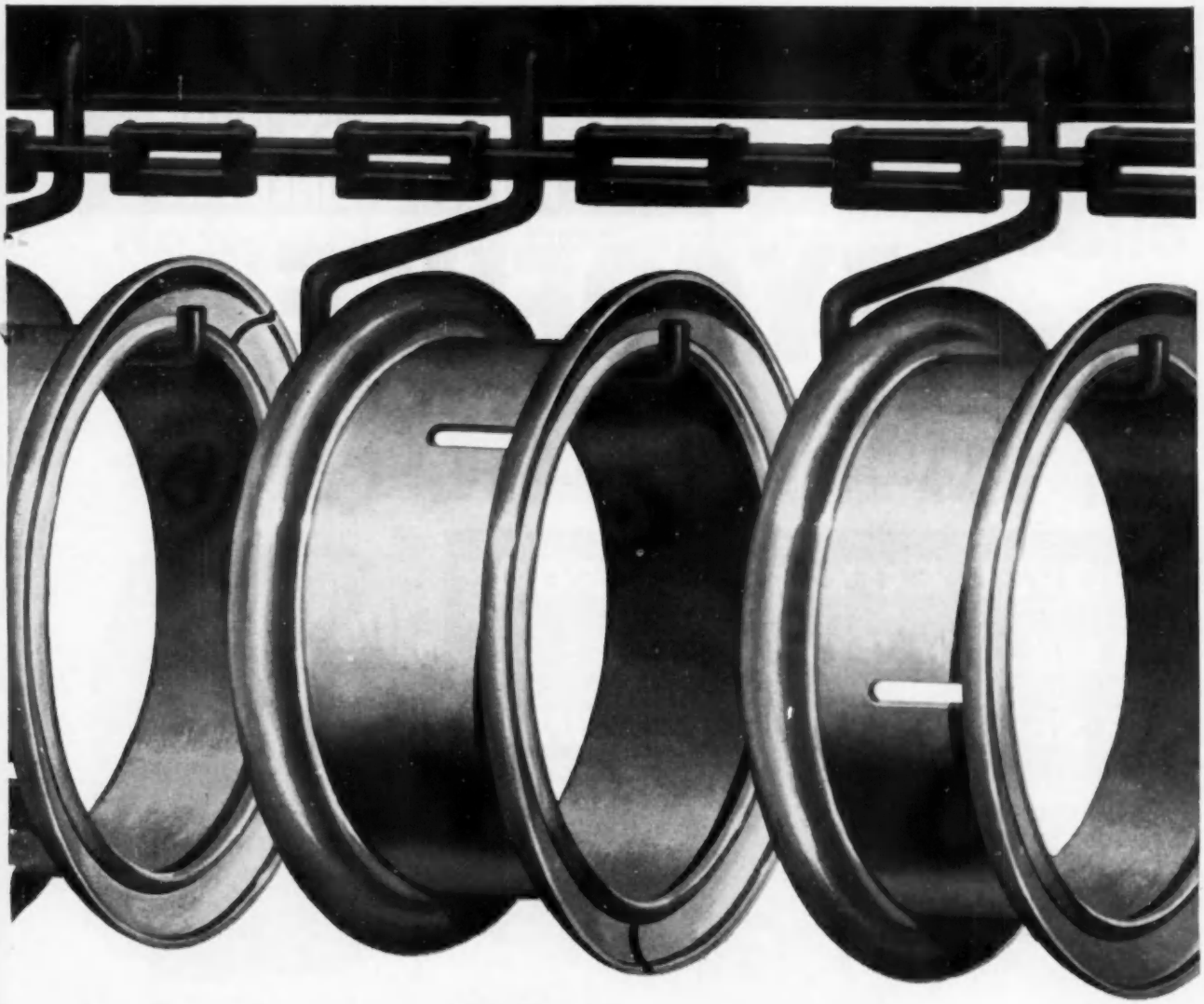
These new Goodyear precision rims, for over-the-road use, are built to such close tolerances they better industry standards by *a full fifty per cent.*

What's more, Lateral and Radial Runout will not exceed 1/32 of an inch.

For *equipment manufacturers* this means a complete line of over-the-road rims to match the most accurately made wheels for use on their equipment.

For *fleet owners and operators* the immediate benefits are longer tire mileage, less down

Lots of good things come from GOOD



built to run 50% truer

time and a lower cost-per-mile operation. Vibration is markedly reduced and so is driver fatigue.

Whether you're a manufacturer or the owner of one truck or of an entire fleet of trucks, it will pay you to specify these revolutionary new rims. For additional information on what they can do to improve operating efficiency and lower your costs, write Goodyear, Metal Products Division, Akron 16, Ohio. Or, if you prefer, get in touch with your local Goodyear Rim Distributor.

YEAR

More tons are carried on Goodyear rims than on any other kind

More details? Circle 116 on reply card inside back cover

NEW!

SPECTACULAR ACHIEVEMENT IN FOUNDRY TECHNIQUE BY REYCO ENGINEERING

REYCOFUSE®
BRAKE DRUMS

PROVED EXPLOSION-PROOF IN MILLIONS OF MILES OF SEVERE ROAD TESTING

ACHIEVED ONLY BY REYCO!

a Miracle of Strength

EXCLUSIVE WITH REYCO!

REYCOFUSE® BRAKE DRUMS GIVE SAFE, DEPENDABLE SERVICE LONG BEYOND THE LIFE OF OTHER DRUMS

BACKED by the STRONGEST GUARANTEE EVER WRITTEN!

PROOF AGAIN . . . for leadership and progress in Brake Drum Metallurgy and Engineering

YOU CAN RELY ON REYCO!

NATIONWIDE SALES and SERVICE

REYCO®

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REYNOLDS MANUFACTURING CO.

SPRINGFIELD, MISSOURI

No federal sizes and weights, asks AASHO

American Assn. of State Highway Officials says it wants no federal vehicle size and weight limits. The policy was adopted early last month at AASHO's annual convention. It was immediately forwarded to Secretary of Commerce Luther H. Hodges.

The policy statement says states should be encouraged to adopt uniform vehicle sizes and weights as recommended by AASHO. Revision of the 1946 AASHO size and weight code is presently underway, is scheduled for consideration by the group's Executive Committee next June.

Policy further says barriers to interstate fleet operation should be removed by reciprocity compacts. On Congress' agenda next year is the question of whether to repeal the present federal size and weight "freeze" on the Interstate Highway System or approve a system of federal interstate size and weight limits.

Kennedy will try new method of solving transportation ills

Commerce Department officials have turned over to the White House a series of messages for President Kennedy to send to Congress next year. They all propose solutions to "the transportation problem."

This is a new approach by the Kennedy Administration. The messages will each attempt to solve problems in individual transportation areas. This is in contrast to an entire transportation package for Congress.

Many missives

Secretary of Commerce Hodges says there will be "quite a number" of messages touching on various aspects of transportation.

Basic differences, among the myriad suggestions to his department, boil down to three interests—rails, shippers and trucking. Each has suggested completely divergent solutions, of course.

Among the States . . .

These laws, passed recently by state legislatures, will have national significance for fleets:

Mandatory seat belts—Wisconsin's new law requires seat belts for front seat passengers on all 1962 and later cars. It will also apply to '62's when they're resold as used cars.

Tax repeal — Alabama has repealed its mileage tax on for-hire carriers of property. That state also has a new fuel-purchase law for trucks and buses, and new height limits—now 13-ft, 6-in.

Truck marking — Pennsylvania has a new law requiring commercial vehicles be marked with the name and address of the operator.

Order AFDOUS Code text now

Trucking interests won't be able to get complete texts of the AFDOUS proposed frozen food code until January. But if you want a copy, place your order for it now.

The code will be officially recommended to the states for passage with publication in the AFDOUS quarterly bulletin in January. AFDOUS (Assn. of Food and Drug Officials of the U. S.) will make copies available to truck fleets, body makers, the food industry and others—but only as reprints from the bulletin.

The code is only a recommendation to the states. Bost most are expected to adopt it.

You can order your copies of the code from Joseph F. Lakey, AFDOUS, P. O. Box 9095, Austin, Texas.

More "grays" under fire

ICC-regulated carrier groups have slapped charges of illegal operations on . . .

- United Shippers Assn., St. Louis, along with its 103 member firms and 10 individuals.
- Pittsburgh, Pa., Shippers Assn., 63 companies and five individuals.
- New Hampshire Shippers Co-Operative, Manchester, N. H., 27 member firms and 11 individuals.

This brings to 31 the number of complaints brought before the ICC by highway common carrier groups charging illegal practices in transportation.

ICC Briefs

Keeping up with the Interstate Commerce Commission is difficult at best. Here's a roundup of pertinent items as they'll affect fleet operators:

The commission greatly broadened its investigation into rail-highway grade-crossing accidents to include *all* truck-rail accidents *regardless* of the commodity being hauled.

This is substantially larger than the Commission's first plan which would have included registration of private carriers when they carried certain dangerous articles (June, page 29).

ICC's splitting of the hearings from its initial safety hearings was a victory for the American Petroleum Institute and ATA's Private Carrier Conference.

Broadening it to include all commodities was a victory for the Na-

(TURN TO PAGE 235, PLEASE)

Abbotts Dairies gets

"We use AC Spark Plugs in our trucks because they consistently give us top performance."

JAMES S. OWENS
Fleet Superintendent
Abbotts Dairies
Philadelphia, Pa.

Abbotts Dairies' 1100 trucks provide about as tough a testing ground for spark plugs as can be devised.

In widespread wholesale and retail transport of milk, ice cream and other dairy products, Abbotts fleets branch out from Philadelphia into six states and the District of Columbia. Winter and summer, Abbotts trucks—from the smallest door-to-door units to the over-the-road giants—encounter every possible driving condition, from city "stop and go" to fast highway travel.

sure-fire

ACtion with

AC

Trucks are maintained under a detailed, carefully supervised program that is a model of modern fleet servicing. Abbotts Dairies has used AC Spark Plugs for 20 years—because AC quality prolongs spark plug change intervals and prevents unscheduled downtime.

AC will do the same for you. Call your AC Supplier and start getting AC ACtion! Remember, you get AC quality only under the AC name.

AC SPARK PLUG ✿ THE ELECTRONICS DIVISION OF GENERAL MOTORS

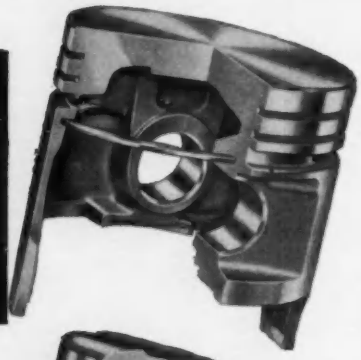
FIRE-RING SPARK PLUGS

Proved by **FLEET EXPERIENCE RECORDS...EVERYWHERE**

LEADERSHIP ENGINEERING IN PISTONS FOR EVERY PURPOSE

CLEAR-O-MATIC

The All-Temperature Controlled Piston

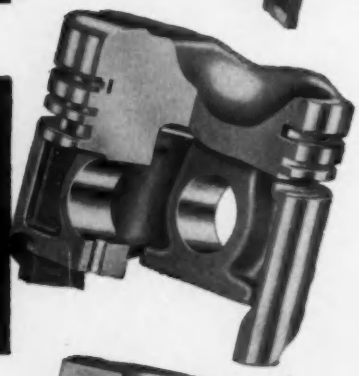


Automatically maintains uniform skirt clearance at all temperatures. A steel tension member is anchored only at the pin bosses and is cast in positive contact with the I.D. of the piston skirt. This piston is also remarkably cool runnning with 20% greater area of conductivity for heat dissipation. The uncompromised strength of construction provides long-life durability with highest performance at lowest maintenance cost.

☆

CONTINUOUS PERMA-GROOVE

The Piston with Steel Top Ring Section



A superbly engineered piston at economical cost. The top ring section is cast-anchored steel, providing highest wear resistance with minimum weight increase. The unique design of this section with 40% aluminum bearing area exposed, gives excellent heat conductivity for cool operation. Stops ring groove wear problems and assures minimum oil consumption.

☆

BOND-O-LOC

Top Piston Power for Diesel Engines

Features a "Ni-Resist" iron top ring groove section permanently and exclusively double bonded both metallurgically and by the Zollner mechanical lock. This dovetailed interlock with tapered flutes positively prevents any movement and reduces the section weight 25% to 30% with lower inertia stresses. For top piston power and low maintenance cost, the piston choice of Diesel engine builders and operators.

☆

Highest Engine Performance

☆

Lowest Maintenance Cost

☆

☆ Always specify the pistons used by over 70% of all truck and bus manufacturers.

PISTONS *By*

ZOLLNER

FOR EVERY TYPE INTERNAL COMBUSTION ENGINE —GASOLINE OR DIESEL

More details? Circle 118 on reply card inside back cover

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announcing

GMC FLEET TRUCKS for 1962 WITH BUILT-IN BONUSES!

PULL HERE

TEAR OUT AND SAVE

GMC
GENERAL MOTORS CORPORATION
TRUCKS
FROM 1/2 TO 60 TONS

TEAR OUT AND SAVE

announcing

GMC FLEET TRUCKS for 1962 WITH BUILT-IN BONUSES!

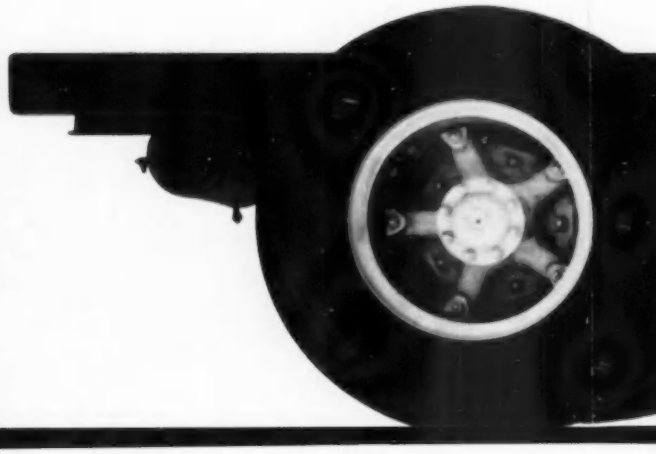
GMC
GENERAL MOTORS CORPORATION
TRUCKS
FROM 1/2 TO 60 TONS

PROVED AND IMPROVED MEDIUM AND HEAV

SUPERIOR PERFORMANCE!

This Ninety-Inch Conventional BW7012 model has the most powerful standard gas engine in any truck, the exclusive 275 hp. GMC Twin-Six . . . another example of GMC's continual desire to give you all the advantages needed to save time and expense . . . to increase your operating profits. In the trucking industry's most complete line of 90" Conventionals, you also get the exclusive, bonus-life V-6 gas engines or the road-proved V-6 GMC Truck diesels. Four and six-wheel models from 19,500 lbs. GVW to 120,000 lbs. GVW.

90" CONVENTIONALS



IN MANY LIGHT AND MEDIUM-DUTY MODELS

EAVY-DUTY MODELS

EASY SERVICING . . . EASY DRIVING . . . IDEAL WEIGHT DISTRIBUTION!

. . . all yours with GMC steel tilt-cabs. Full 55 degree tilt completely uncovers the engine and all accessories, but controls remain in perfect alignment on rigid, stationary island. Short wheelbases and extra wide front tread make for shorter turns and easier handling. Front vision is the best you can get. Bonus payloads are yours, too, with front axle set-back 52″ for maximum rated capacity and with short 72″ BBC dimension.

72″ TILT-CABS

BONUS PAYLOADS... UP TO 2,313 POUNDS EXTRA EVERY TRIP!

Earn thousands of extra dollars with the shortest, lightest 48″ aluminum tilt-cab trucks built. Model DF7005 with 48″ BBC (shown) weighs only 9,875 lbs. ready for the road, with heater, trailer connections, 60-gallon fuel tank and fuel, fifth wheel and all ICC equipment. Full tilt provides 100% accessibility. Choice of four and six-wheelers to 76,800 lbs. GCW, 218 or 290 hp. diesel engines.

48″ TILT-CABS

IN MANY LIGHT AND MEDIUM-DUTY MODELS

NEW HIGHEST PERFORMANCE . . . NEW OUTSTANDING ECONOMY . . . NEW GOOD LOOKS . . . IMPROVED RELIABILITY!

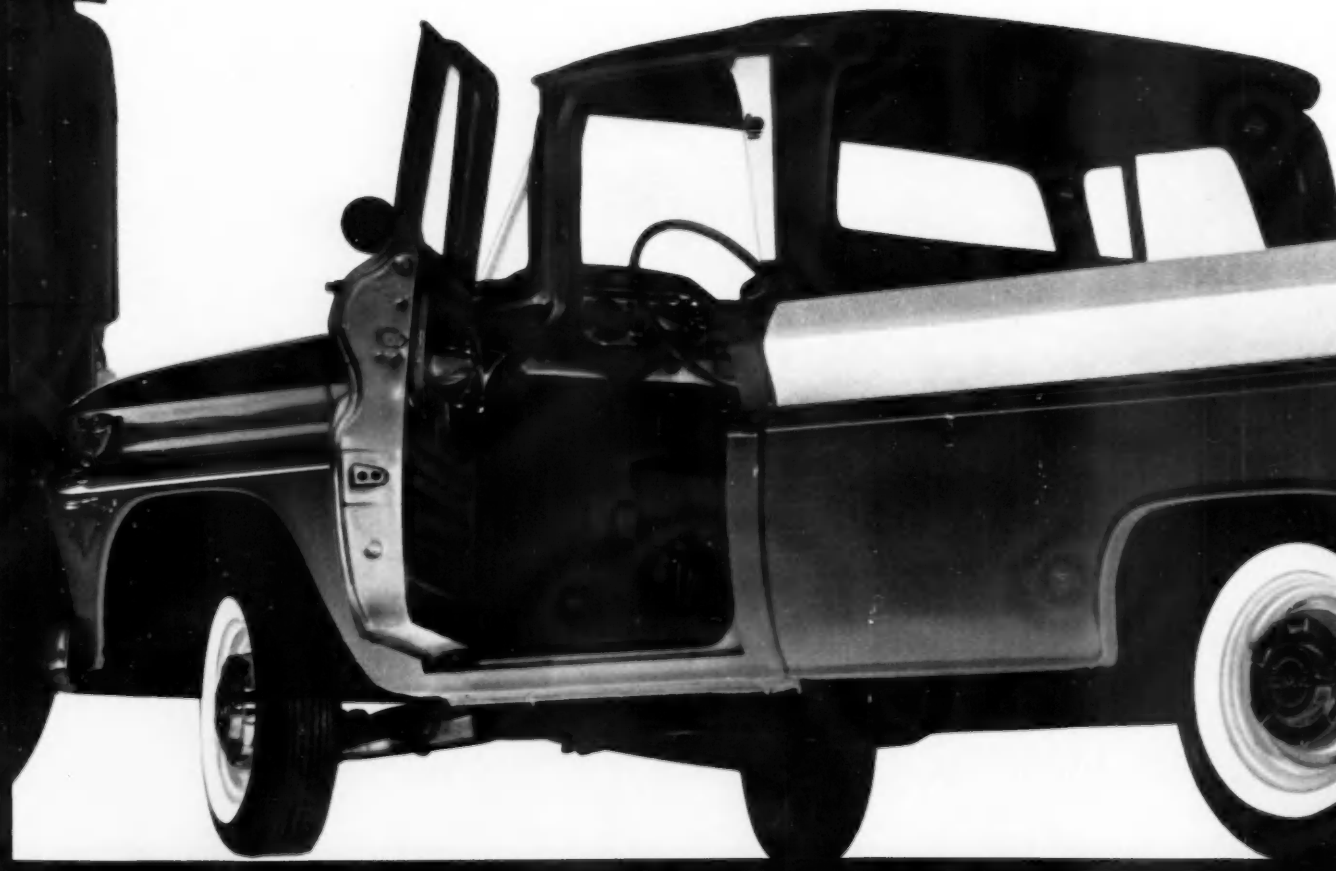
New M
GVW

Now, GMC brings you—as standard equipment—the great performance of the exclusive, fuel-saving 165 hp. V-6 engine! You get the most working power at low rpm of any comparable trucks. Get your hauling job done quicker, easier and save fuel at the same time. And this proved 305D is a truck-built engine with usable power, top performance, produced at low, wear-resistant speeds to give you extra bonus life . . . at no extra cost.

Here you see the distinctive, new GMC styling including lower hood with rounded edges for safer vision. New prestige, eye-appealing exterior colors. Completely new color-keyed interiors with luxurious, yet practical materials.

For 1962, you get new or improved profit-making advances throughout the complete line of new GMC 105″ Conventionals—from ½-ton pickups to the big 60,000 lbs. GCW six-wheelers.

NEW 105″ CONVENTIONALS



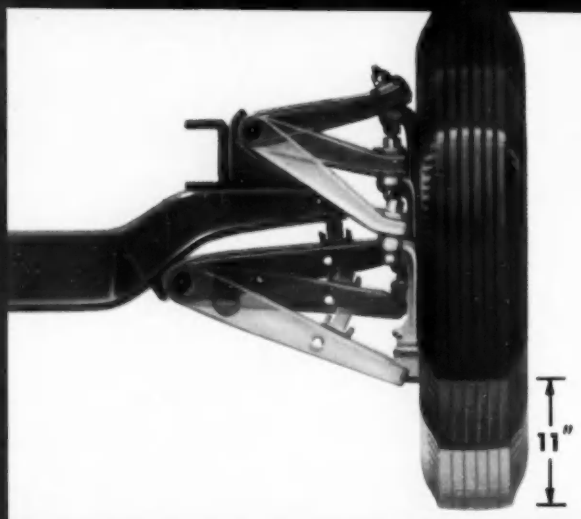
lew Model 3505
GVW 18,000 lbs.

PULL HERE

TEAR OUT AND SAVE

New Model 1001 Custom
Wideside Pickup
GVW 5,200 lbs.

1



Smooth out bumps up to 11" high with GMC's independent front suspension. Handling is easier and safer. There's no wheel fight. Cabs last longer. Riding is smoother, nearly like a passenger car. One ride will give you convincing proof.

Improved truck, load and driver protection costs nothing extra with standard 3-inch-wide vari-rate rear springs. Unique cam design automatically adjusts the springs to the load. Built-in torque leaf transmits all braking and torque forces to the frame.

BUILT-IN BONUSES M

EXCLUSIVE, COST-BUSTING V-6s . . . BUILT TO OUT-LAST, OUT-PERFORM OTHERS!

These are truck-built engines, with no compromises, to give you unsurpassed durability. Every part is built extra rugged, rigidly inspected and tested during the entire build-up. You get top performance, too. Usable working power is produced over a broad range at low operating speeds. Power-robbing friction and damaging wear are reduced. Fuel and maintenance costs are at a minimum.

ENGINE MODEL	MAX. TORQUE RANGE	MAX. HORSE-POWER	TRUCK SERIES
305D	275-280 @ 1100-2400	165 @ 3800	1000, 1500, 2500, 3000, 3500
305C	275-280 @ 1100-2400	165 @ 3800	4000, B & L4000
351	308-312 @ 1400-2400	180 @ 3400	5000, W5000 B & L5000 BW5000 4000* B & L4000*
401	375-377 @ 1200-2000	210 @ 3400	H5000, W5500, B & L5500 BW & LW5500 W5000*, BW5000*

*Optional

Up to 26% less piston travel* saves thousands of engine rpms every mile to reduce gas bills and service costs. GMC-built aluminum pistons have cast-in steel expansion band, chrome-faced top ring, big 1.24" diameter piston pin and everything for long life and proper oil control.

Camshaft is always lubricated—Special oil gallery eliminates destructive dry-starts. All moving engine parts are continually bathed in oil with up to 14 gallons circulating every minute . . . double the volume of many comparable engines.

GMC cool-running valves are up to 33% larger*. Made to last with short, stiff stems . . . positive rotators (opt. on 305D) . . . sodium filled stems and exhaust valve seat inserts (std. on 351 and 401) . . . all to keep valves from burning and breaking, to provide best sealing.

V-6 engine crankshafts have up to 60% more bearing area* for thousands of extra trouble-free miles. Built heavier and stronger, inspected by Magnaflux for that extra GMC margin of reliability.

Compact, sturdy block has skirt that extends 3" below crankshaft centerline, close-spaced inner ribbing and staggered cylinders for the strength and rigidity necessary for long engine life.

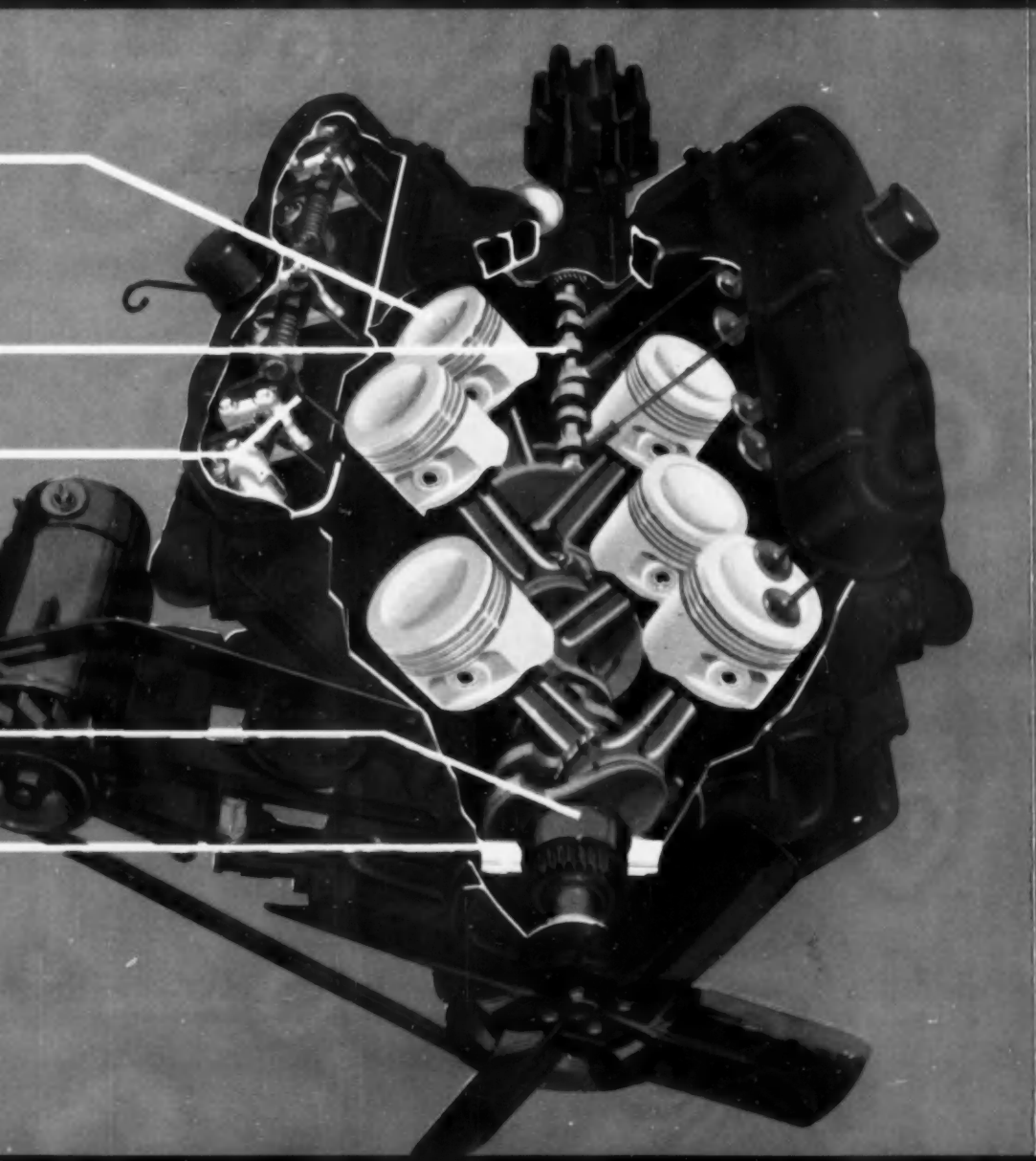
Concentrated, damaging "hot spots" are eliminated with up to 167 gallons of coolant circulating every minute and with up to 33% more cooling surface.* Coolant temperature varies less than 4 degrees throughout the entire engine.

* Compared to comparable engines.

New and improved transmissions are offered this year . . . built stronger with higher torque capacities for lasting service. A new short fourth gear reduces split shifting to save time and speed schedules. GMC also offers all the other job-proved types with strength and ratios to give top performance on any haul.

Improved front suspensi
rate springs and shock
on models using wi
axles. You get better c
riding, greater stabilit
short turning for easie

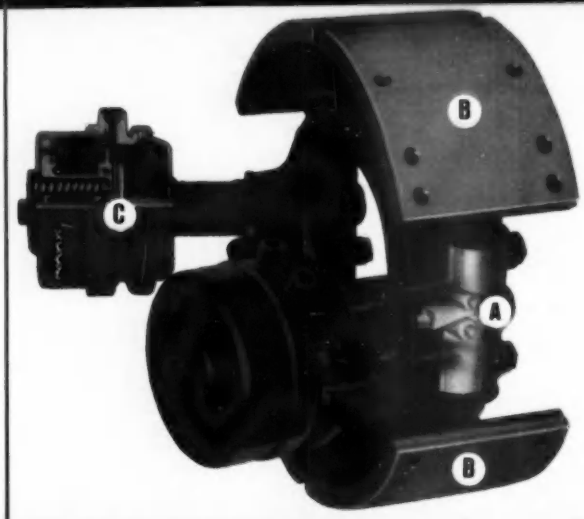
AKE 1962 GMC FLEET



MOST LO
YOU CAN
EXCLUSIV
BONUS-L
TWIN-SIX

This is the only
engine that gives
performance . . .
to get the big load
out laboring the e
line . . . power t
with up to 60% les
trucks with other
And this is low-
stroking power, s
sults: amazing fue
greatly increased

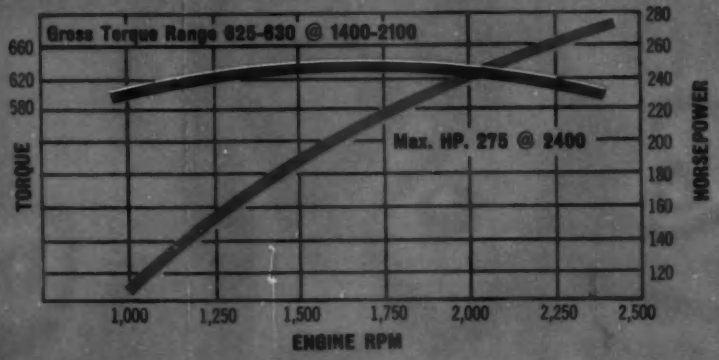
Improved front suspension. New low deflection rate springs and shock absorbers are standard on models using wide tread, I-beam front axles. You get better cushioning for smoother riding, greater stability for safer driving and short turning for easier handling.

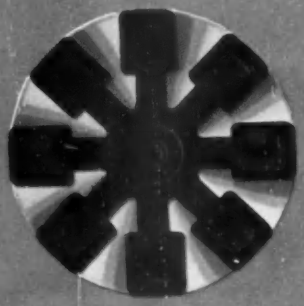


FLEET TRUCKS A SOU

MOST LOAD-MOVING POWER YOU CAN GET! EXCLUSIVE, BONUS-LIFE TWIN-SIX

This is the only standard gas engine that gives you 275 hp. performance . . . power needed to get the big loads rolling without laboring the engine or driveline . . . power to keep rolling with up to 60% less shifting than trucks with other gas engines. And this is low-stress, easy-stroking power, see chart. Results: amazing fuel economy and greatly increased engine life.





Exclusive GMC hydraulic fan automatically operates only when needed. You save up to 5% on fuel and get up to 12 additional horsepower at the drive wheels.

Simplest, most durable fuel system of all. Each GMC injector measures, pressurizes, atomizes and injects the exact amount of fuel to match the speed and load, all at one time. There are no complicated pumps or high-pressure lines to cause costly downtime.

New safer-stopping, longer-life brakes are now standard on many heavy-duty models. With these new brakes, the shoes are free at both ends and actuated by wedge cams (A) for sure, straightline stops. You also get increased lining areas (B) for increased life. In event of any brake system failure, this new mechanical actuator (C), connected directly to the brake diaphragm system, will quickly and surely stop the truck.

Strong, twist and flex-resistant GMC frames are made to take the big loadings, shock loads and rough terrain of all hauling operations. Available in advance design and traditional types—including short "K", upright "L" type reinforcements and weight-saving, heat-treated side rails.

UND INVESTMENT!

DIESEL

MORE POWER
PER DOLLAR
PER POUND
PER CUBIC INCH

GMC Truck diesel engines are lower-cost, up to 530 pounds lighter and several inches shorter than comparable diesels. You get faster acceleration, smoother power and increased fuel economy with GMC's two-cycle diesels that produce power on every downstroke, double that of four-cycle engines. And there are many, many more built-in bonuses that your GMC Diesel Truck Dealer will gladly explain.

ENGINE MODEL	MAX. TORQUE	MAX. HORSEPOWER	TRUCK SERIES
6V-71	604 @ 1200	218 @ 2100	DB7000, DBW7000, DL7000, DLW7000, DF7000, DFW7000, DFR8000
8V-71	805 @ 1200	290 @ 2100	DF7100, DFW7100 DFR8100

Ratings at sea level and 60° F.

FOR ALL THE PROFIT-FACTS, SEE YOUR GMC DEALER LISTED IN THE YELLOW PAGES.

GMC TRUCK & COACH—A GENERAL MOTORS DIVISION—PONTIAC, MICH.

TEAR OUT AND SAVE

Pat Catalano, Pres. of Catalano Bros., Inc. (left) and S. E. Ryan, Cooper Rep., measure tread depth of a Cooper Road-Grip. An average expectancy of 96,000 drive wheel miles is projected for tires shown.

U.S. Gypsum hauler doubles mileage with Cooper Road-Grip Super Treads

Joe, Pat and Ray Catalano operate 130 tractor and trailer units from their modern terminal facilities in Chelsea, Mass. Heavy loads of U. S. Gypsum products are hauled at sustained highway speeds for delivery to on-the-job sites, rail yards and shipping docks.

Catalano Bros. changed to Road-Grip Super Treads because tire costs and road delays were squeezing profits down. After a 14-month test, this fleet operator reported: "Tire trouble on the road has been practically licked. Original mileage has doubled on most routes. Our costs have been cut substantially."

Double The Mileage

Cooper Road-Grips are built with a 79% deeper Hi-Carbon highway tread that delivers as much as double the mileage you get with conventional truck tires! Yet, Cooper Road-Grips sell for little more than regular designs — giving you today's best tire bargain.

More Recaps — More Safety

A super strong Cooper "Hi-T" nylon body and exclusive Cooper Shock-Guard construction guarantee a virtually damage-proof tire. You get as many as 4 and 5 bonus recaps. This means still more mileage when you use Cooper Road-Grip Super Treads. And you get more safety, too. There's more power traction to move heavy loads, more lateral traction to protect against dangerous sideslips and jackknifing—even on steep grades, hills and mountain roads.

Call your Cooper truck tire dealer for complete details and lowest available prices. Or write Dept. 118 today. Cooper Tire & Rubber Company, Findlay, Ohio.

Cooper TIRES

Cooper Tires

. . . miles ahead

More details? Circle 120 on reply card inside back cover

ROBERT BOSCH
PUTS THE
POW IN POWER

in Electric Windshield Wipers that reduce the dangers of "dirty weather" driving.

Give yourself and your drivers the extra protection of ROBERT BOSCH *Electric* Windshield Wipers. Dependable even in the foulest weather . . . Powered by a rugged ROBERT BOSCH *electric* motor that's independent of engine speeds. Millions in use. Won't falter even when you step hard on the gas, or climb a hill—won't stall even if your engine stalls. Play safe in "dirty weather." Install ROBERT BOSCH *Electric* Windshield Wipers *now*. They're inexpensive, easily installed.

ROBERT BOSCH CORPORATION

40-25 Crescent St., Long Island City 1, N. Y. • 225 Seventh St., San Francisco 3, Calif.

® Reg. U. S. Pat. Off. ROBERT BOSCH GMBH Stuttgart

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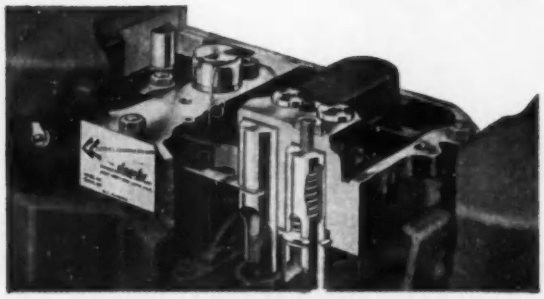
NOW . . . faster trips . . . bigger payloads . . . greater savings *with complete braking safety!*



The Jacobs Engine Brake can be installed with vehicle down time of 4 hours or less.

SAFETY PLUS SAVINGS!

- Increased brake lining and drum life—well over *double the life* in many cases.
- Longer tire life.
- Less fuel consumption—increased oil life.
- Less engine maintenance.
- Easier engine run-in.
- HIGHER DOWNHILL SPEED WITH COMPLETE SAFETY—FASTER SCHEDULES—EXTRA HOURS OF OPERATING TIME!

Write for new catalog. See why the easy-to-install Jacobs Engine Brake is already drawing the attention of fleet operators and vehicle manufacturers throughout the industry.

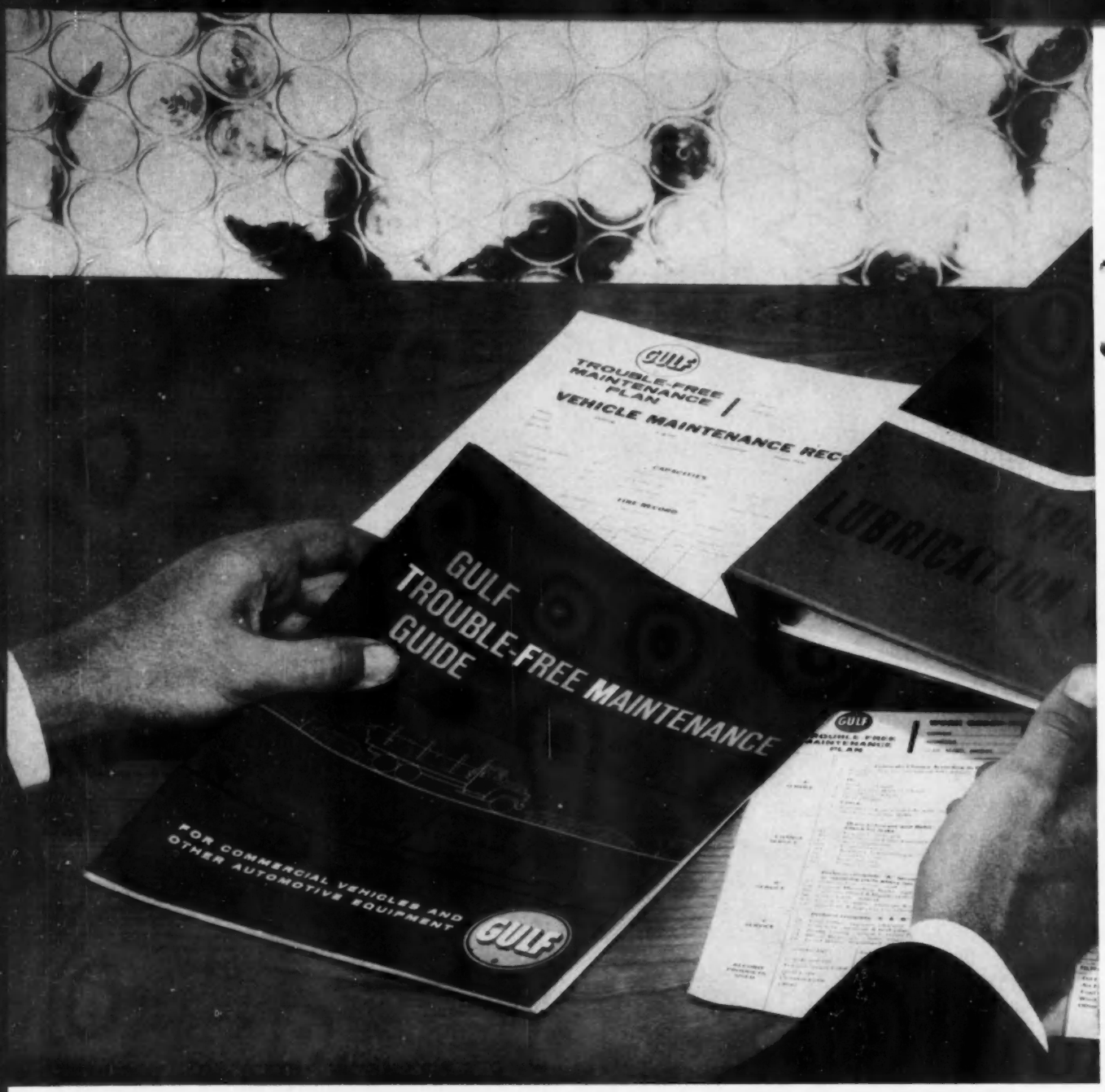
NEW JACOBS DIESEL ENGINE BRAKE

. . . one of the great over-the-road economy advancements

The Jacobs Engine Brake gives any diesel transport complete and separate braking *independent of existing brakes.* It converts the engine into an air pump which makes use of every ounce of braking power that a diesel engine can produce, with no heat dissipation problems. In short, the Jacobs Engine Brake converts the diesel into a 100% workhorse that can pull its load uphill *and hold it back going downhill!*

Your driver can easily employ the Jacobs Engine Brake without changing his driving habits. Simple controls are located right in the vehicle cab. Best of all, the brake can be installed on standard diesels, 2-cycle engines, and supercharged or turbo-charged engines. At trade-in time, you can shift the brake easily from one truck to another. Or you can put it on leased vehicles.

CLESSIE L. CUMMINS DIVISION
CABLE: JACOBSCHUCK diesel products
THE Jacobs MANUFACTURING COMPANY
WEST HARTFORD 10, CONNECTICUT



Gulf TFM Plan puts new cost-cutting

Do you have a system for keeping track of your maintenance costs? For making sure proper maintenance work is done on a systematic basis? Gulf's new Trouble-Free Maintenance Plan provides a simple and practical method of fleet preventive maintenance procedures which can help you make substantial savings in operating your fleet.

It's all explained in a new Maintenance Guide just off the press. The five major areas for developing a trouble-free maintenance program are discussed: the selection of proper fuels and lubricants; lubrication frequency; how to set-up inspection procedures; how to plan your tune-up or adjustment frequency; and a simple, complete method of record keeping that will help you carry out preventive measures and spot trouble before expensive repairs and costly out-of-service time are involved.

This scientific, tested maintenance plan will help you pile up record mileage between overhauls. It is the result of Gulf's many years of experience in working with fleet owners. You'll share in maintenance knowledge that has already proved successful for

tools in your hands

many Gulf customers. You'll realize the benefits of using top quality petroleum products and programmed maintenance.

Take the first step toward lower operating costs now! Call your nearest Gulf Office, or mail the coupon for your free copy of the Gulf Trouble-Free Maintenance Guide.

More details? Circle 123 on reply card inside back cover

GULF

GULF OIL CORPORATION
Dept. DM, Gulf Building
Houston 2, Texas

Send me a copy of the new Gulf Trouble-Free Maintenance Guide.

Name _____

Title _____

Company _____

Street _____

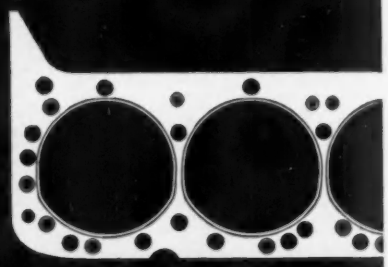
City _____ Zone ____ State _____

GULF MAKES THINGS RUN BETTER!

FITZGERALD GASKETS

have the answer

First with the best replacement gasket Fitzgerald Fused-Aluminum Steel and Asbestos Gasket with "built-in" SEALABILITY.



FITZGERALD Gaskets SINCE 1906

WITH THE ADDED EXTRA *Craftsmanship*

The Fitzgerald Manufacturing Co.

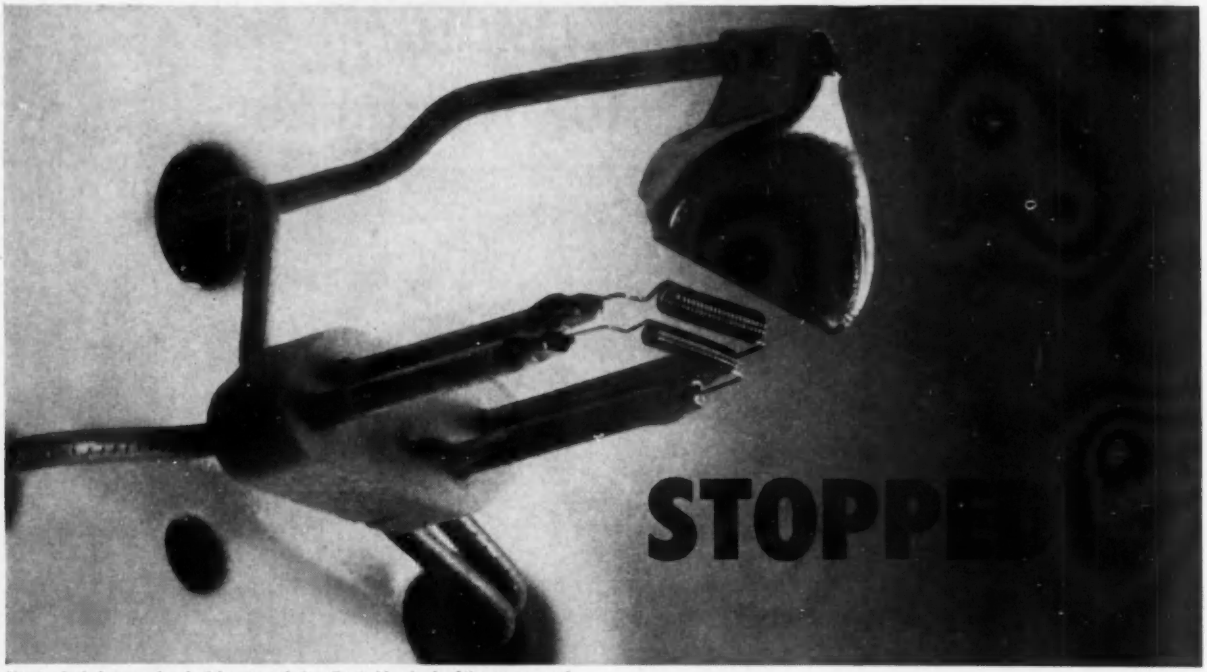
Torrington, Connecticut

Branches and Warehouses: Los Angeles, Calif.—Chicago, Ill.

Canadian FITZGERALD Ltd., Toronto, Canada

You can select new, eye-catching fleet colors—see exactly how they will look in as many as 1250 different color combinations—without stirring a foot from your desk. • You can do it fast, too, with the extra-convenient, extra-practical Sherwin-Williams Fleet Color Visualizer. • A trained Sherwin-Williams representative will help you select functional colors just right for *your* fleet — ones that will do a better *selling* job for you. • Eye-appealing color combinations are not the whole story, though. With Sherwin-Williams Kem® Transport Enamel, you save time and money. Kem Transport Enamel is a fast-drying, easy-applying, long, long-wearing finish. • Whether you plan to re-design your fleet now, or in the near future, it will pay you to take a look at the Fleet Color Visualizer, and to get details on Sherwin-Williams Kem Transport Enamel. • Write The Sherwin-Williams Company, Automotive Division, Cleveland 1, Ohio, and Montreal, Canada. Export Division, Newark 1, New Jersey.

SHERWIN-WILLIAMS
AUTOMOTIVE FINISHES



Unretouched photographs—both lamps are being vibrated hundreds of times per second.

The ceramic shock absorber in new General Electric heavy duty truck headlamps practically stops all vibration before it gets to the filament. That means General Electric truck lamps last much longer than ordinary lamps that don't have ceramic shock absorbers (top photo). Why not try them the next time you replace lamps? They cost no more than any other lamps. Ask your supplier for the new G-E heavy duty headlamps: #4005 for four-headlamp systems, #6013 for two-headlamp systems. General Electric Company, Miniature Lamp Dept. M-149, Nela Park, Cleveland 12, Ohio.

Progress Is Our Most Important Product

GENERAL ELECTRIC

INSTALL

McQUAY-NORRIS

HEAVY DUTY PISTONS AND SLEEVES

Modern, high compression motors demand "a little more" from replacement parts. McQuay-Norris heavy duty pistons deliver more because they are made of special aluminum alloy, with stronger skirts and beefed-up heads. Longer life is assured through Ni-resist top groove protection, which guards against wear. Constant clearance features permit accurate fit, resulting in quiet operation and more efficient control of compression and oil. Use McQuay-Norris heavy duty pistons and sleeves on your next job.

McQUAY-NORRIS MANUFACTURING CO., ST. LOUIS • TORONTO

More details? Circle 127 on reply card inside back cover

BRAKE MAINTENANCE TIPS FROM GREY-ROCK

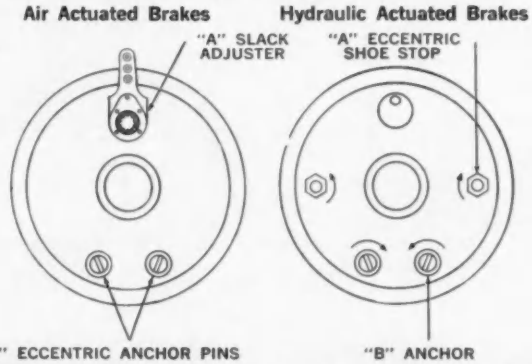
How to adjust anchors on front axle brakes

A large percentage of trucks and tractors are equipped with front axle brakes having adjustable anchors. Numerous brake complaints such as noise, erratic action, pull and insufficient brake can be traced directly to one thing—failure to adjust the anchors so that the shoes are correctly centered in the brake assembly.

Every possible precaution should be taken to balance the braking effort, because unequal braking across the front axle can be extremely dangerous on slippery roads. The procedure for adjusting both air-actuated and hydraulic, heavy-duty brakes equipped with movable anchors is described and illustrated here.

ADJUSTING ANCHORS

1. Rotate both anchor pins B to full release position.
2. Adjust at slack adjuster A to bring shoes out against drum until there is a heavy drag.
3. Rotate anchor pins until drag is relieved.
4. Repeat until drag cannot be relieved by rotating anchor pins.
5. Tighten anchor pin nuts.
6. Back off cam to get minimum running clearance.



Adjust shoes with brake gage. If gage is not available, follow procedure below.

1. Set one shoe at a time by turning eccentric shoe stop A until drum drags.
2. Turn eccentric anchor B until drum is free.
3. Repeat until further adjustment at B will not free drum.
4. Back off at A to give minimum running clearance.
5. Tighten locknuts.

Do not interchange fabricated steel brake shoes

Fabricated steel brake shoes that appear almost identical will cause considerable difficulty if interchanged. They may fit into the brake assembly, but will not function properly. Both Timken Part No. A3722L64 and Fruehauf Part No. 514956 use 6-in.-wide taper brake blocks (FMSI 4514). But if the Timken part is installed on the Fruehauf brake spider, only partial lining-to-drum contact will be achieved. Brake output will be reduced, and drivers will complain. Other problems will also be encountered. Foundation brake parts will be subjected to excessive loading and possible premature failure. Lining life will be reduced, because only a portion of the surface must do all the braking. Lining at one end may be completely gone before the other end shows wear.

Timken Part No. A3722N66, using 7-in.-wide tapered blocks (FMSI 4515), and Fruehauf Part No. 514958, using the same FMSI number block, cause difficulties if interchanged. Use Timken shoes with Timken spiders and Fruehauf shoes with Fruehauf spiders.

* * *

Use Grey-Rock lining, blocks, brake parts and fluid for greater safety and lower operating cost-per-mile. See your Grey-Rock jobber or write Grey-Rock Division of Raybestos-Manhattan, Inc., Manheim, Pa.

Only **Grey-Rock**® *makes* **BALANCED BRAKE LININGS**

BLOCKS • TRUCKSETS • BRAKSETS • BRAKE PARTS & FLUID • VEE-LOK® FACINGS • AUTOMATIC TRANSMISSION PARTS

You Can't Buy a Better Brake Lining to Save Your Life

NEW Medium-Size BROCKWAY

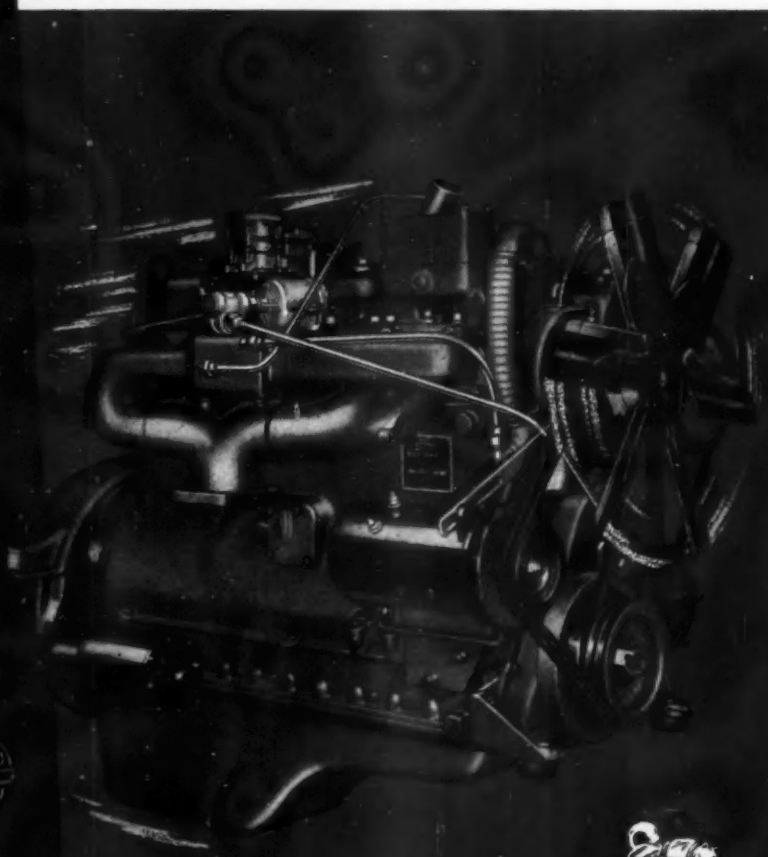
Exclusive 44BD

gas engine sensation of the modern age

SEE IT TO BELIEVE IT!

Find out about its . . .

- revolutionary new advanced-combustion chamber for more and smoother power
- rugged 3⅝" Tocco-hardened crankshaft with larger bearings for longer life, shorter engine length
- enlarged water and oil cooling system with relocated passages within engine
- self-cleaning positive roto-action valves
- shorter, thicker, warp-proof valve stems, sodium-filled for faster heat dissipation



PROVED:

Rigorously tested in Laboratories and over the road on tight fleet schedules for over three years!

Brockway TRUCKS

American Motors abandons

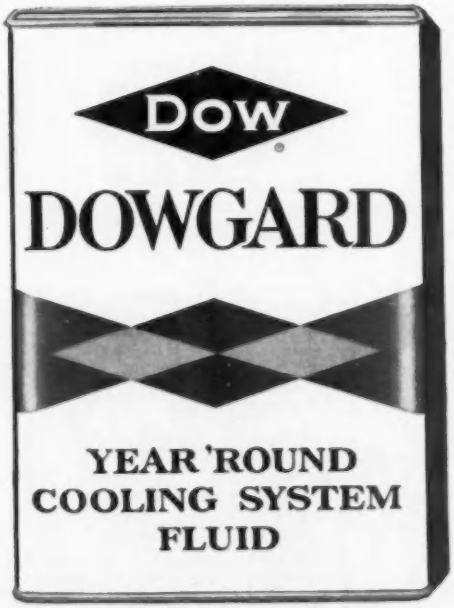
antifreeze in favor of DOWGARD FULL-FILL Coolant in its 1962 models!

DETROIT—Rambler has adopted a new principle in factory-installed engine protection with the use of DOWGARD® FULL-FILL® Coolant in its '62 line instead of regular antifreeze.

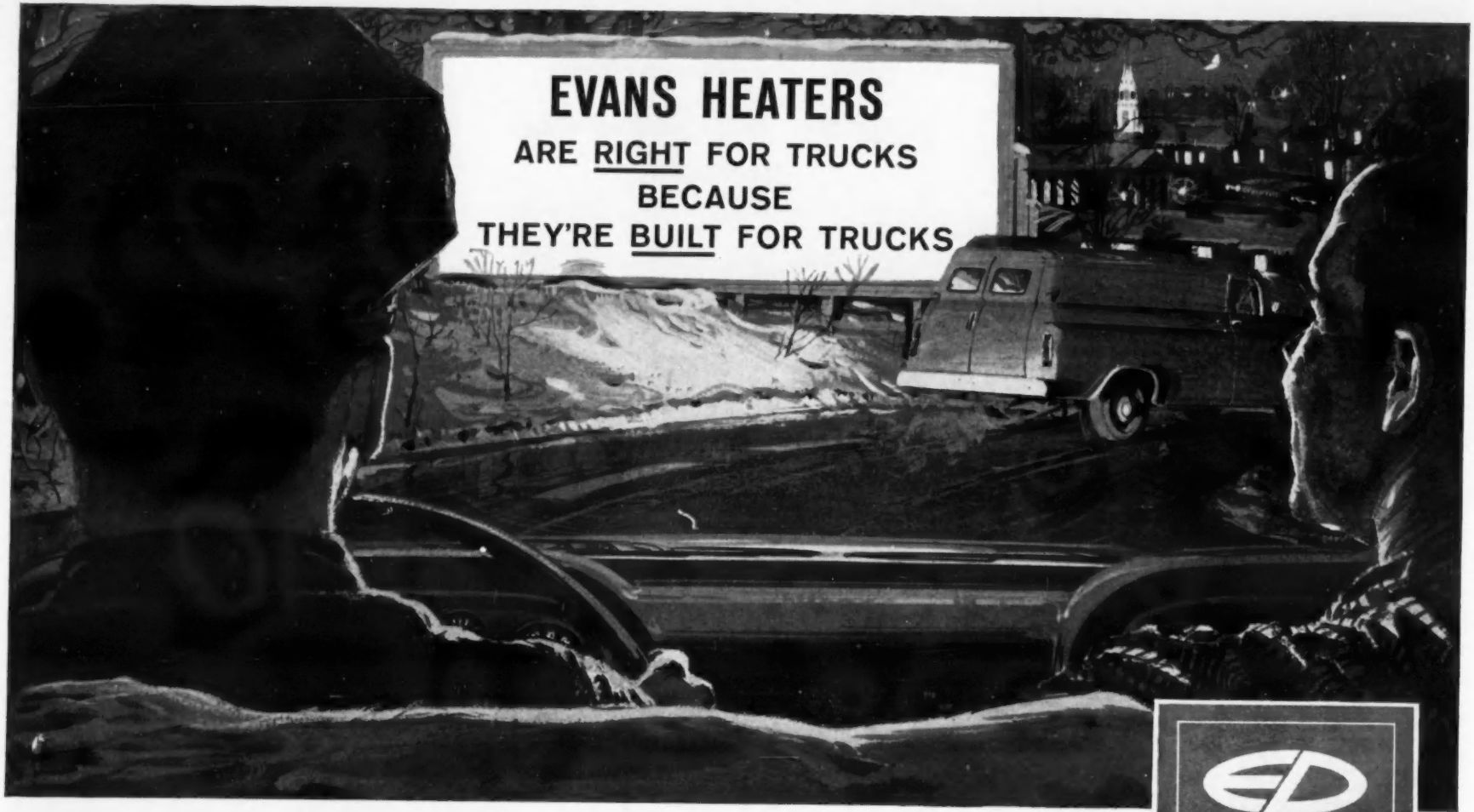
DOWGARD Engine Coolant is a totally new concept. It stops the formation of rust and corrosion in the cooling system. Nothing's added to DOWGARD, no water, no worries. Two full years of carefree driving with better performance, longer engine life and less gasoline expense.

Only DOWGARD does so much!

DOWGARD • THE DOW CHEMICAL COMPANY DOW



PROFIT BY SELLING DOWGARD NOW! SEE YOUR JOBBER SALESMAN!



Evans heaters are durable, dependable, rugged—*built for trucks!* They're tailored to truck manufacturer specifications, custom-engineered to provide the *right* BTU rating and heat distribution *for your specific truck models.* They're designed for quick, easy maintenance.

Product quality has made Evans the largest manufacturer of heavy-duty truck heaters. Evans' heater production is backed by 25 years of engineering experience, rigorous tests and assembly-line inspections. And backing each individual Evans heater is a one-year/50,000-mile warranty.

Write Evans Products Company, Department Q-11, Plymouth, Michigan.

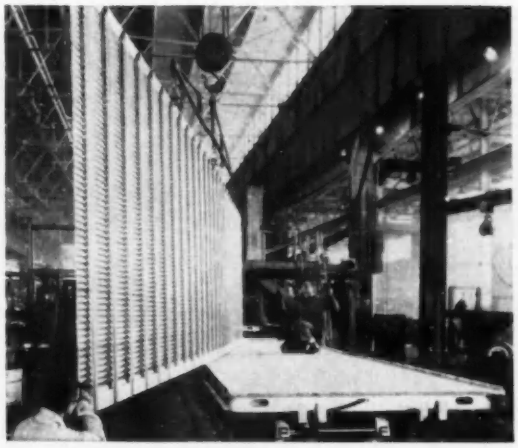
Hallmark of Quality Products

EVANS PRODUCTS COMPANY
PLYMOUTH, MICHIGAN

HEATING AND VENTILATING DIVISION

REGIONAL REPRESENTATIVES: Chicago, R. A. Lennox • Detroit, Chas. F. Murray Sales Co. • Allentown, Pa., P. R. Weidner

More details? Circle 131 on reply card inside back cover



Dollar savings provided by building Volume☆ Vans with USS Cor-Ten High Strength Steel

Fruehauf Trailer Company works some design magic with USS COR-TEN Brand Steel that results in substantial construction savings.

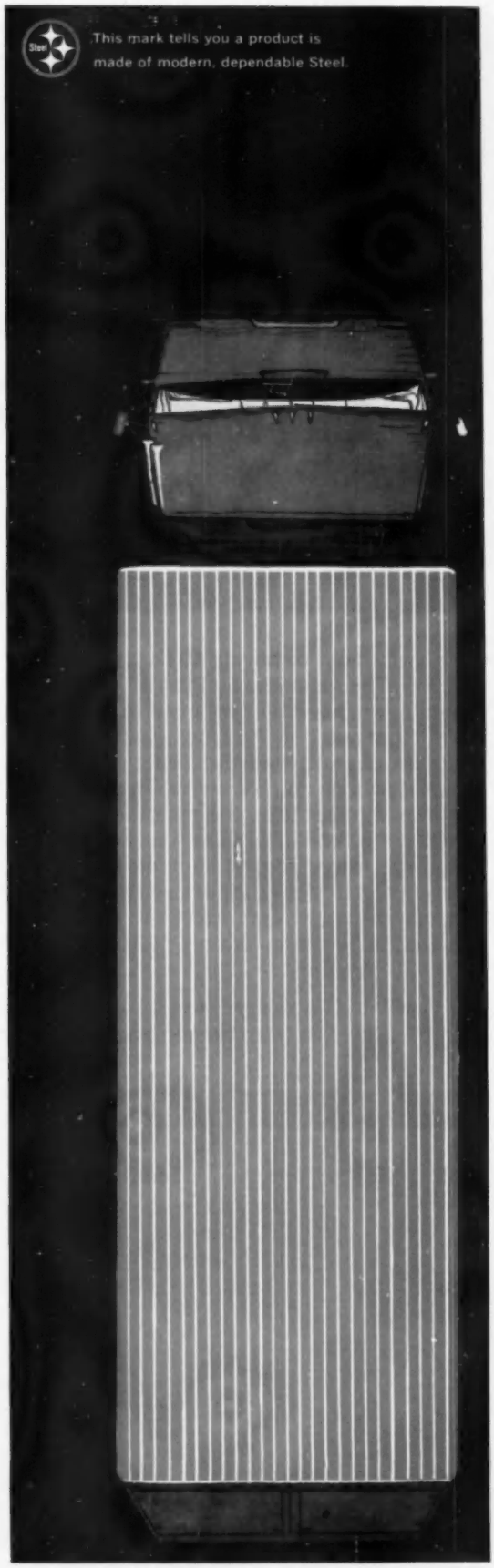
In their stressed-skin trailers, called "Hi-Tensile Volume☆ Vans," USS COR-TEN High-Strength Low-Alloy Steel is used for the side and roof panels, angles and rub rails. Welding this steel instead of riveting contributes to lower cost, also makes the Hi-Ten Volume☆ Van strong and sturdy.

Increased strength and rigidity also are obtained by cold forming COR-TEN Steel side and roof panels with ¼" deep rectangular corrugations. Angles and rub rails are of USS COR-TEN High Strength Steel and together with the side and roof panels, add up to a total of only 2,500 pounds in each trailer. COR-TEN Steel also has improved atmospheric corrosion resistance and, as an added bonus, paint lasts much longer on COR-TEN Steel.

In transportation equipment USS COR-TEN Steel is noted for its long service life, low first cost and economical operation. Get the real facts on USS COR-TEN Steel from United States Steel, 525 William Penn Place, Pittsburgh 30, Pennsylvania. USS and COR-TEN are registered trademarks.

United States Steel Corporation · Columbia-Geneva Steel Division · National Tube Division · Tennessee Coal and Iron Division · United States Steel Supply Division · United States Steel Export Company

USS United States Steel



"Overall economy shown by IBM cost records prompted us to add 70 more Ford Trucks"

says Ben Horton, Vice President in charge of maintenance, Associated Transport, Inc., New York, N.Y.

"We started out by buying 40 Ford C-600 Tilt Cabs in 1959. The main reason then was price. But, we would never have bought any more Fords if they hadn't proved out. You see, we operate some 5,500 trucks and keep detailed, up-to-the-minute cost records on an IBM setup. This enables us to determine in seconds the maintenance expense and exact gas mileage of any section of the fleet. The data proved that in addition to reliable performance, our Fords operated with less maintenance expense and excellent fuel economy. *We bought 56 more Fords in 1960 and have now added 70 more.*

"Associated Transport serves 14 eastern states with 68 terminals from Boston and Watertown to Atlanta and Charleston in the south, and west to Cincinnati and Nashville. And our Fords have proven out well in our toughest service areas, Boston and Pittsburgh.

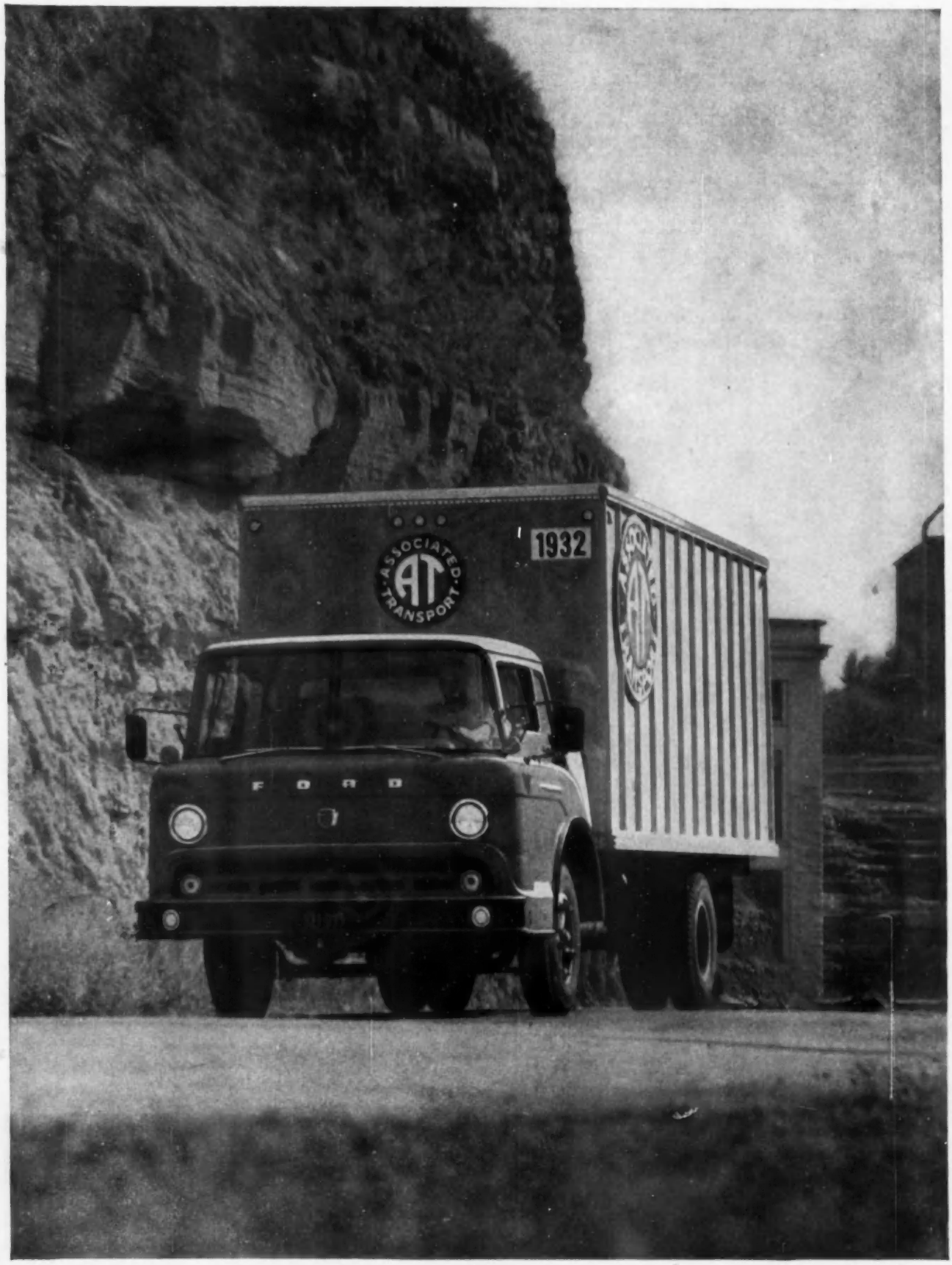
"In Pittsburgh, our two-year-old Ford C-600 pickup and delivery units have to negotiate very steep grades. They frequently come in overloaded, grossing as high as 29,000 pounds. Yet these Fords average 4.87 miles per gallon—pretty good for this severe service.

"The maintenance cost on these units is only 1.9¢ a mile—well below our fleet average! And the Ford Tilt's maneuverability and serviceability further influenced our buying decision."

Solid testimony that Ford's full-time economy only starts with low price!

FORD TRUCKS COST LESS

PRODUCTS OF Ford MOTOR COMPANY



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Announcing!
WORLD BESTOS
MET-L-LOY
BRAKE BLOCKS
4515 D
WORLD

new

METALLIC BRAKE BLOCKS!

WORLD BESTOS MET-L-LOY™

gives you

- **Up to 25% longer mileage *plus* longer drum life!**
- **High-stable-friction!**
- **No-fade safety and reliability, regardless of severity of service!**

More than 38 years of experience in manufacturing brake blocks for heavy-duty service has enabled World Bestos to develop *an entirely new kind of metallic brake block!* MET-L-LOY not only gives you high-stable-friction . . . it also provides safe, no-fade performance and longer mileage than any other block!

MET-L-LOY brake blocks were subjected to 2½ years of testing . . . complete laboratory tests plus rugged over-the-road tests by 30 well-known fleets. MET-L-LOY successfully passed *all* tests . . . out-performing other types of heavy-duty brake blocks! And MET-L-LOY is easy to install . . . requires *no* special procedures, parts or adjustments!

MET-L-LOY is available now in popular WB-FMSI set numbers. For complete information, call your WORLD BESTOS distributor . . . or write, wire or call . . .

BESTOS NEW CASTLE, INDIANA

PHONE: JACKSON 9-4790

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In test after test . . . on rig after rig . . . MET-L-LOY is outperforming all competition!

"On our rigs that bring out the timber, the original installations of MET-L-LOY are still in use . . . have needed no special care!"

"Heat-producing traffic doesn't hurt MET-L-LOY . . . the first blocks installed in our heavy haulers are still in use!"

"The going gets rugged in the Sierras . . . but MET-L-LOY's no-fade safety is *still* protecting our drivers on the downgrades!"

"Take it from me . . . our drivers have put MET-L-LOY to *every* test! It's proved best for the big jobs . . . saves us money in the long run!"

SOARING in POPULARITY

BALDWIN FILTERS

World's Finest

--with the Heart to CHALLENGE ALL OTHERS!

It takes real heart to be a winner—and BALDWIN has the heart. Pull one apart and see for yourself . . . compare the BALDWIN line with any others at any price. BALDWIN filters are best . . . highest quality materials, best performance.

Automatic wound cotton, Microlite pleated plastic impregnated paper, Vac-Cel diesel media.

GUARANTEED TO KEEP OIL VISIBLY AND CHEMICALLY CLEAN!

OIL • FUEL • AIR

For every application—cars, trucks, buses, tractors, industrial and marine engines.

Road test proved . . . endorsed and approved by prominent fleets throughout North America, including Greyhound and more than 75 major transit companies, plus hundreds of leading motor carriers and national contractors.

Join these hundreds of fleets who profit from the outstanding performance of BALDWIN FILTERS.

Every filter element is fully guaranteed to exceed original equipment specifications *BY FAR*.

BALDWIN FILTERS keep oil REALLY CLEAN.

Write, wire or phone for catalog and name of distributor in your area.

CHARTER MEMBER ASIA

J. A. BALDWIN Manufacturing Co. Kearney, Nebraska

Producers of the World's Finest Filters Since 1936

LEADERSHIP Thru the Century

HENDRICKSON Mfg. Co. ®

Mr. M. Hendrickson began designing and building motor trucks and automobiles at the turn of the century. The friction-drive truck at right was built in 1907.

For many years the Hendrickson organization has been headed by the four Hendrickson brothers. Now aided by the third generation, Hendrickson has maintained leadership in the automotive industry by strict adherence to the highest standards of reliability and performance.

MOTOR TRUCK DIVISION

This COE tilt-cab truck was built by M. Hendrickson in 1912, for a Boston dealer.

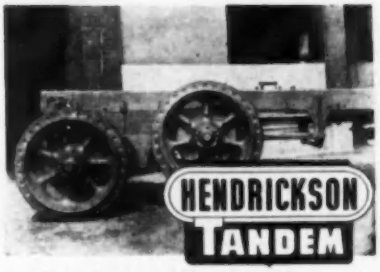
Quite different in appearance, size, and performance from its 1912 predecessor, this 1961 Hendrickson COE Tractor incorporates the newest adaptations of tested designs.

SPECIAL EQUIPMENT DIVISION

This 1927 Hendrickson custom-built Crane Carrier was designed for a 7½-ton crane.

Current Crane Carriers are manufactured for cranes from 10-ton to over 60-ton capacities.

TANDEM DIVISION



This first practical tandem axle suspension, designed and built by Hendrickson in 1926, featured parallelogram design and the exclusive below-axle walking beam.

Modern Hendrickson Tandem Suspensions are available with Steel Spring, Rubber Load Cushion, and Air Ride springing media. Equalizing beams distribute loads evenly to both axles and reduce the effects of road irregularities 50%; torque rods and rubber bushings absorb starting and braking torque and eliminate maintenance; vertical drive pins leave the springs free to perform the sole function of cushioning the load.

HENDRICKSON Manufacturing Company, Lyons, Illinois

More details? Circle 135 on reply card inside back cover

There's a Luber-finer Model

For Every Type of Engine For Every Type of Oil

STANDARD & OPTIONAL EQUIPMENT ON LEADING TRUCK, TRACTOR & STATIONARY ENGINES

MODELS 78, 135-S, 200-S—single-bolt lid, screw-in type pack, overall compact design. Provide ultimate in filtration for passenger cars, small trucks, tractors — other similar engines up to 5-quart, 6-quart, and 7-quart crankcase capacities.

MODELS 272-C AND 363-C — single-bolt lid clamp, O-Ring lid gasket, screw-in type pack, rugged construction throughout. For heavy-duty service on gas, gasoline or diesel engines up to 3-gallon and 4-gallon crankcase capacities.

MODELS 500-C AND 750-C — single-bolt lid clamp O-Ring lid gasket, large-capacity packs, extra rugged construction for most severe service. For use on gas, gasoline or diesel engines up to 5-gallon and 8-gallon crankcase capacities. Also on fuel lines, hydraulic oil systems, and other industrial applications.

MODELS 750-2C AND 750-3C — single bolt lid clamp, O-Ring lid gasket, multiple packs for extra large capacity. Either wall or floor mounts for industrial use on engines up to 35-gallon sump, fuel lines to 15 GPM, hydraulic oil systems to 450 gals. For larger capacities, two or more Units can be connected in parallel.

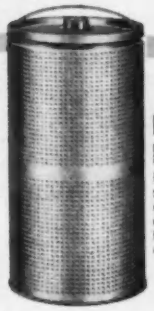
MODELS F-120-C AND F-155-C — for gasoline and diesel fuel lines on mobile, stationary, or marine applications. Extremely efficient in removing impurities and contaminants from fuel. Single Units handle flow rates from 1.0 to 2.0 GPM on suction or gravity flow. For larger capacities, two or more Units may be connected in parallel.

AVAILABLE THROUGHOUT THE WORLD

GENUINE Luber-finer REPLACEMENT PACKS

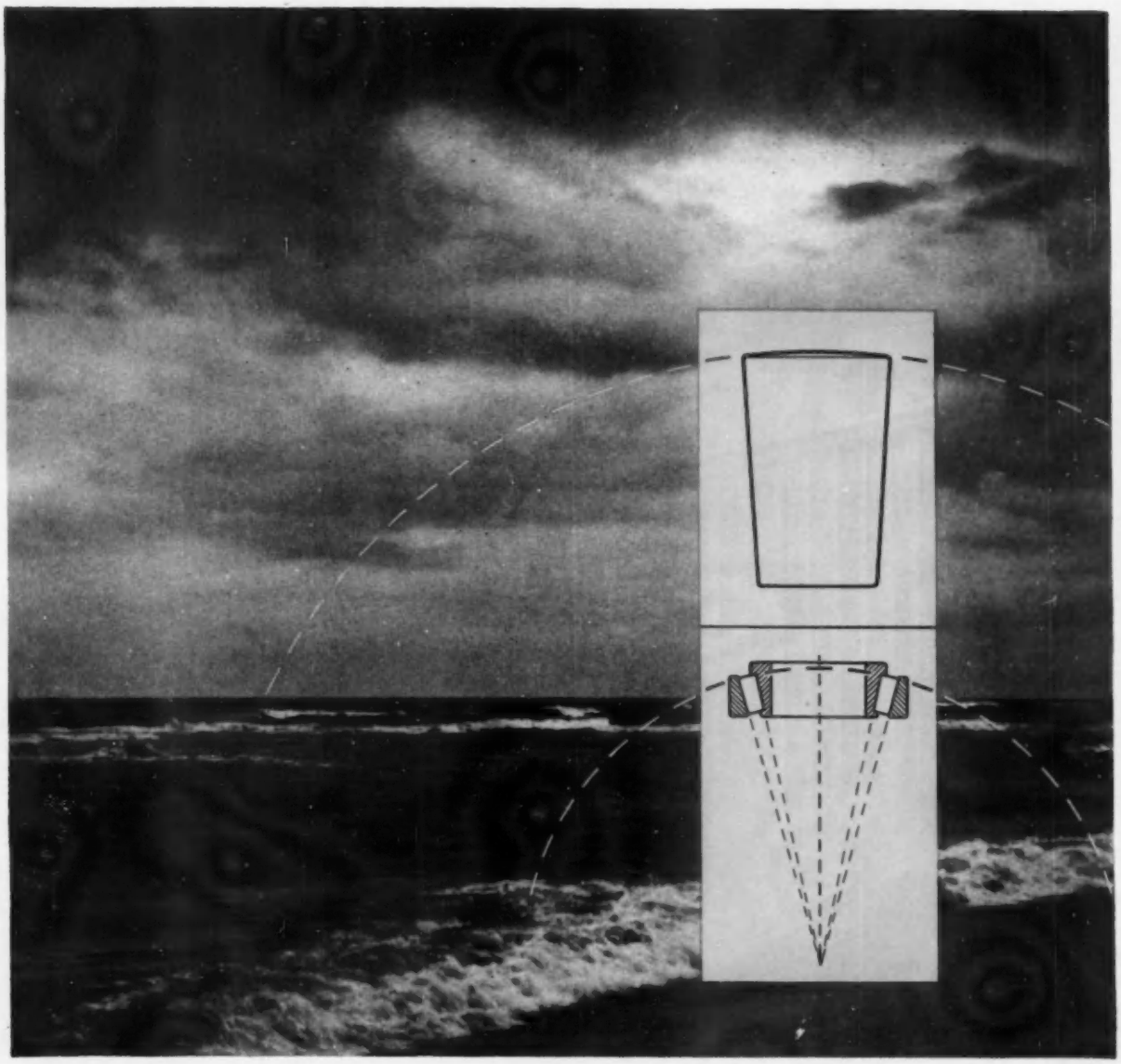
DIESELPAK® For use on H.D. compounded oils for diesel and gasoline engines. Removes finely dispersed contaminants without affecting additives.

- **IMPERIAL** model for extended maintenance schedules (7,000 to 12,000 miles between oil and pack changes). Most economical.
- **REGULAR** model for frequent oil and pack change schedules (4,000 miles to 7,000 miles). Low initial cost.



REFINING PACK
For use on straight mineral oil, synthetic oils, diesel fuel oil, hydraulic fluid, etc.

LUBER-FINER, INC., 2514 So. Grand Avenue, Los Angeles 7, California



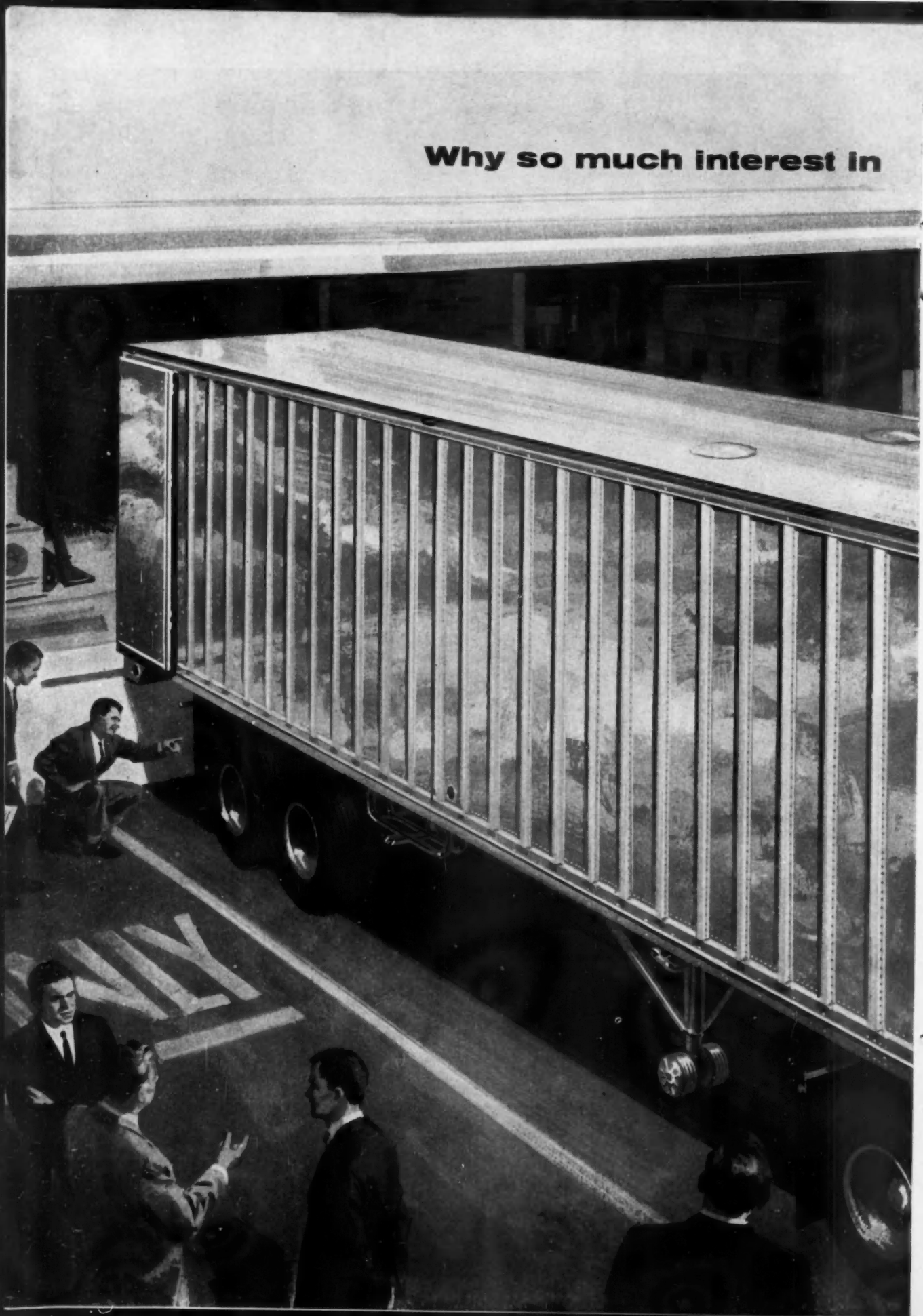
A curve you can't see gives Bower performance you can see

The curve on the end of the roller of a Bower tapered roller bearing is much like the curve of the earth—you can't see it unless you look closely and perhaps not even then. But it's there because Bower *puts* it there. It provides the perfect alignment necessary between the rollers and the raceway to insure maximum bearing performance. This perfect alignment is achieved through *Spher-O-Honing,* which includes special honing of the raceway to further reduce friction. And because each and every Bower tapered roller bearing is exactingly *Spher-O-Honed,* you can be sure you're replacing with the best when you replace with Bower. Your Bower jobber can give you prompt delivery on a complete line. Call him today.

BOWER ROLLER BEARINGS

FEDERAL-MOGUL SERVICE

DIVISION OF FEDERAL-MOGUL-BOWER BEARINGS, INC. • DETROIT 13, MICH.


Why so much interest in

Series/70 MODEL C VANS?

Here's Why:

attractive price!

In Model C vans you get lightweight aluminum construction incorporating design features you would expect to find only in more expensive trailers. Outside or in you'll spot premium values that add up to exceptional quality in a modestly priced aluminum trailer.

profitable cube!

Model C vans feature a full 96" inside loading height—93" inside width—and a new 92½" rear door opening that facilitates loading and packing of large pieces of freight. Plenty of room for big, profitable payloads!

husky construction!

A rugged, unitized underframe features a new 4" upper fifth wheel structure that is four times stronger than ever before. A new, forged kingpin and mounting offering 150,000 lbs. horizontal impact strength provides plenty of muscle for tandem-tractor and piggy-back operation. New, steel bolsters on 12" centers have 75,000 lbs. tensile strength. Side posts are on 16" centers . . . extra wide roof bows on 24" centers. And a unique quarter panel ties side panels and one-piece roof into a strong, rigid structure.

profitable performance!

An exclusive "wrap around" one-piece roof, plus a new drain trough, eliminate leakage and resultant cargo claims. A new, easy-to-operate landing gear speeds coupling or uncoupling. A smooth-action low maintenance tandem offers years of trouble-free performance. All exterior wiring—recessed in quarter panel—facilitates electrical service. A full width pick-up plate eliminates coupling damage. And recessed marker lights hide from breakage.

Model C-74
An exterior post unit

Model C-78
A horizontal corrugated unit

TR-955B

TRAILMOBILE INC.

Cincinnati 9, O. • Springfield, Mo. • Longview, Tex. • Fremont, Calif.

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INSTALL EXTRA SERVICE AND SAFETY

TUNG-SOL

THE ONLY COMPLETE HEAVY DUTY LIGHTING LINE!

On or off the highway, Tung-Sol Heavy Duty headlamps, miniatures and flashers —the industry's only complete line—provide performance and safety under the roughest conditions your fleet has occasion to meet.

Built-to-take-it Tung-Sol Heavy Duty Lighting products will also save you important maintenance money by providing long, trouble-free service. Install this extra service and safety. See your Tung-Sol supplier. Tung-Sol Electric Inc., Newark 4, New Jersey.

TUNG-SOL®
HEAVY DUTY
LAMPS • FLASHERS

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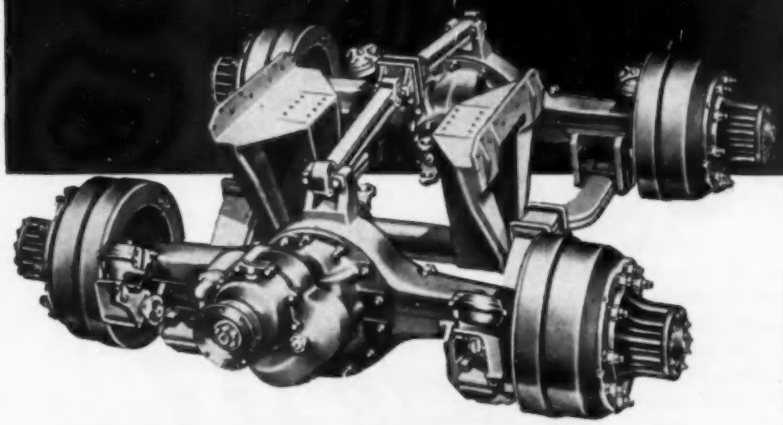
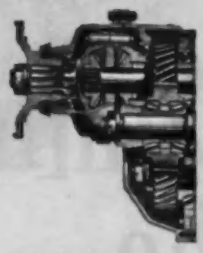
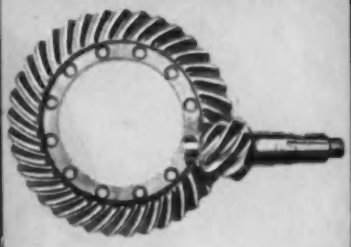
MORE THAN 200 MILLION EXTRA TON-MILES OF PAYLOAD IN JUST 5 YEARS

WITH ROCKWELL-STANDARD LIGHTWEIGHT TANDEMS





Driver Controlled Inter-axle Differential. Allows differential action between the axles to compensate for worn or mismatched tires . . . both axles do equal amounts of work. Can be dis-engaged at any speed giving positive thru-drive when better traction is needed.



Stronger Gear Sets. Hypoid gearing provides up to 30% more strength than spiral bevel gears of the same size. Modern hypoid design allows larger and stronger pinions with greater tooth contact area . . . assuring top efficiency and long life.

New Suspension Pushes Tandem Weight Savings Over 1000 Lbs. Rockwell-Standard's "taper-leaf" springs coupled with the latest in balanced suspension system designs is up to 434 lbs. lighter than comparable units. When combined with the payload advantages of the Lightweight Tandem you can save more than 1000 pounds per trip. This means thousands of ton-miles in extra payload per year.

In the five years since Rockwell-Standard introduced their Lightweight Tandems, thousands of users have rolled up millions of extra ton miles of payload. Check the superior features illustrated at right. They are some of the reasons why these axles are first choice with over-highway operators:

Plus these additional Rockwell-Standard advantages:

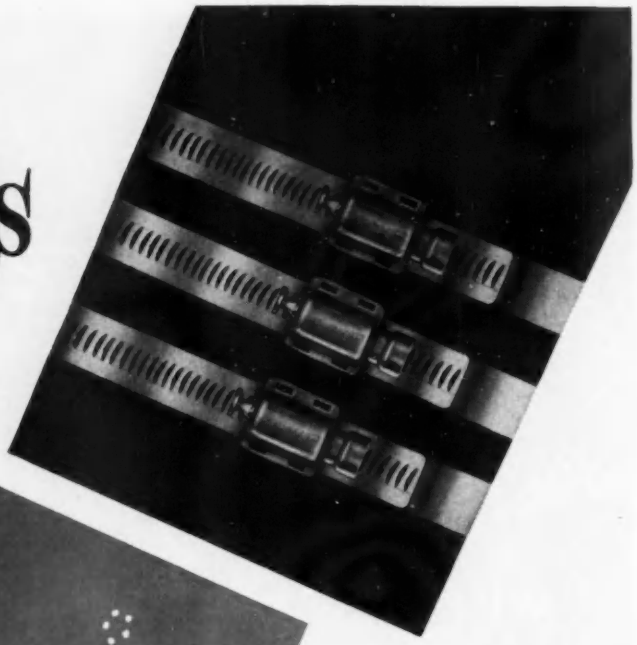
- In-line drive reduces wear on working parts
- High degree of parts interchangeability
- Large selection of gear ratios
- Torsion-Flow axle shafts
- Wide range of capacities – 8 models from 22,000 to 44,000 pounds

Another Product of... **ROCKWELL-STANDARD CORPORATION**

ROCKWELL R STANDARD

Transmission and Axle Division, Detroit 32, Michigan

Commands the market



Aero-Seal JET
QUICK ATTACH HOSE CLAMP ®

Whether you use, buy, or sell hose clamps, you can find no finer product than the Aero-Seal Jet because Aero-Seals set the standard of quality in the worm drive field.

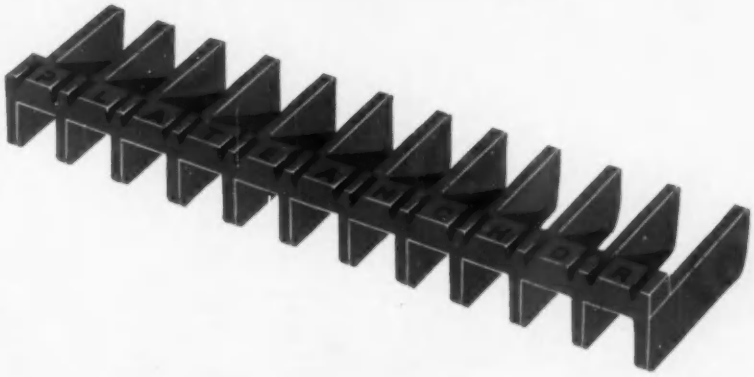
The improved Aero-Seal Jet is a patented design that not only provides all of the advantages—including the security—of a precision worm drive clamp, but in addition permits almost instantaneous installation or removal.

Aero-Seal Jets come in a complete range of diameter sizes from 7/16″ to 15 feet. Bands and housings are of 302-18-8 stainless steel. All stainless also available.

BREEZE MARK

BREEZE CORPORATIONS, INC.
700 Liberty Avenue, Union, New Jersey
Cable Address: Breeze, Union, N. J.

born only for shake, rattle and roll!



Galloping cubes are great for gamblers. But, if you are one of those who can't afford to gamble on battery performance, the odd-shaped red object immediately above should be more interesting. It was designed to prevent damage by vibration to *Willard Tractor-Commercial Batteries*. It has proved to be a winner.

It's the *Willard Plate Anchor*, born to help our batteries take the shake, rattle and roll which sends ordinary batteries in commercial service to early doom. Positioned on top at both ends of each cell, this comb-like plastic device keeps plates in place with non-binding pressure, lets them ride without damage through the jars and jolts of severe service. Many customers say it's the reason Willards last two to three times longer.

Now there's another new feature—*Formula 57*, a radically modern development of our laboratories. It's the basis of an unusual manufacturing process, producing plates that remain chemically active even though the battery may be subjected to extreme undercharge conditions. It guards against the ravages of sulfation, permits Willard batteries to hold their charge longer, extends battery life even beyond previously high expectantcy.

Today, when you specify Willards—ten sizes to fit all needs—there's no need to worry about vibration and sulfation. Today, with the Willard Direct Billing Fleet Plan, you also get the advantages of local availability, factory billing, guaranteed prices and operating cost. *Willard Storage Battery Division, The Electric Storage Battery Company, Cleveland 1, Ohio.*

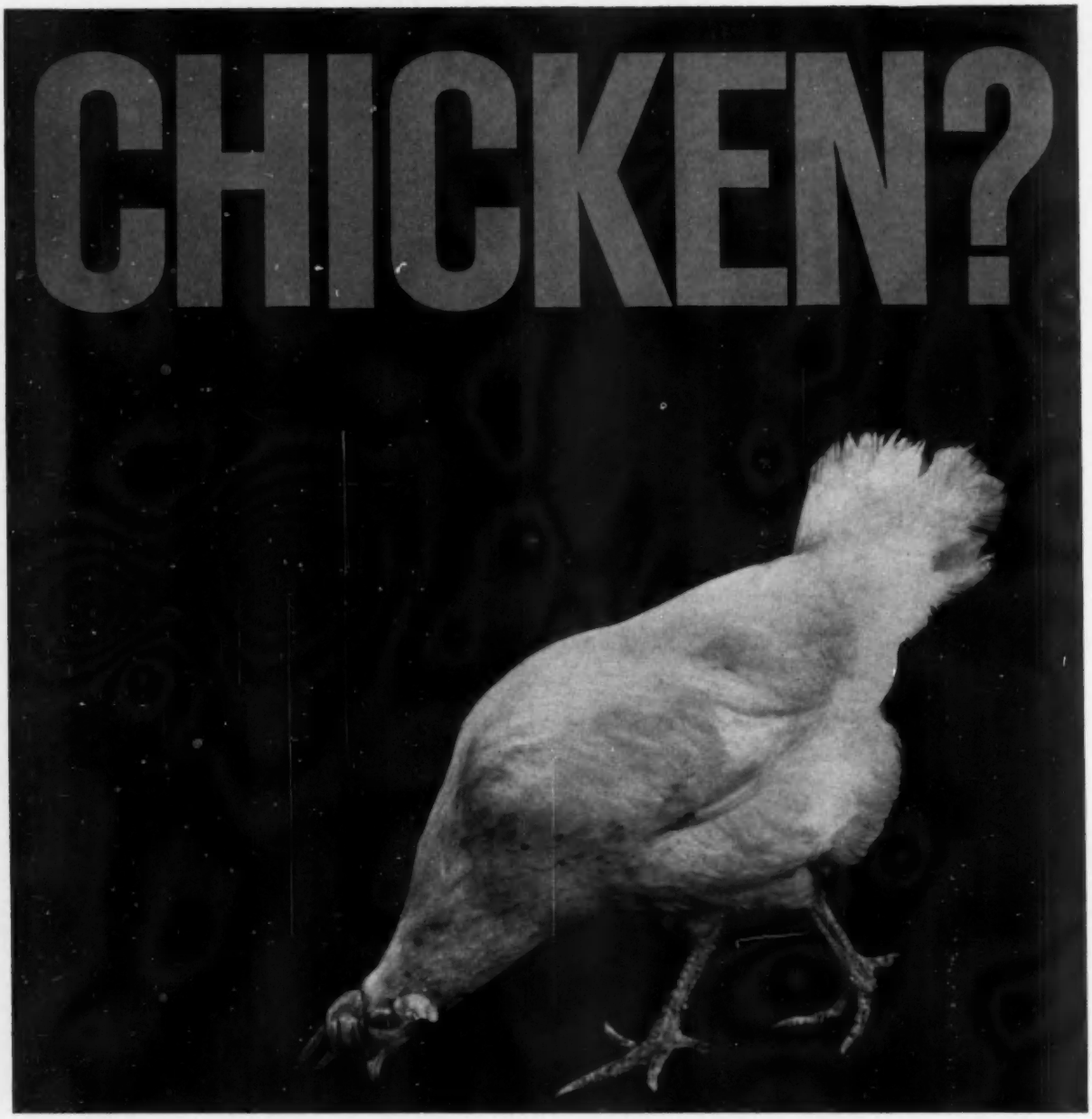
ESB

Willard

THE ONLY BATTERY WITH PLATE ANCHOR AND FORMULA 57

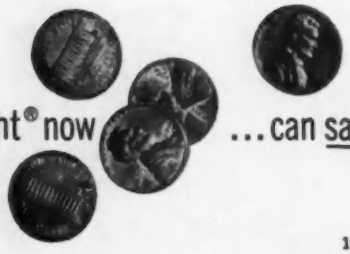
More details? Circle 142 on reply card inside back cover

CHICKEN?



Not Coverlight!® Truck tarps made of Coverlight have terrific resistance to wear and tear, to all kinds of abrasion, even chickens' scratching. Reeves builds extra quality into Coverlight coated fabrics. That's why smart fleet operators invest a little extra in lightweight tarps of Coverlight N or H*, rather than risk cargo damage or wasted time. See your tarp supplier or write to

*Neoprene and hypalon coatings, specially compounded by Reeves-Vulcan



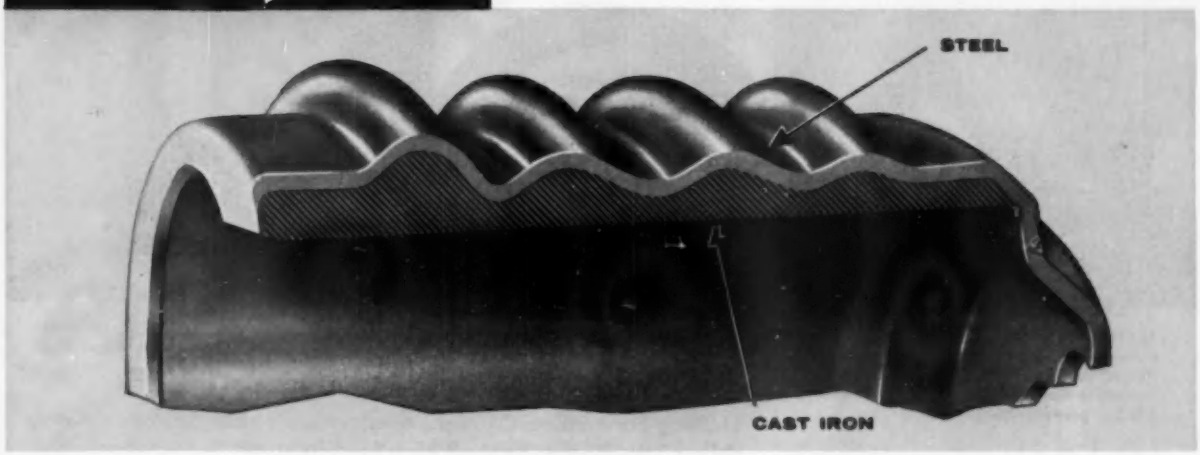
A few more pennies for Coverlight® now ...can save you dollars in the long run!

REEVES
VULCAN
1071 Avenue of the Americas New York 18, New York

25% LIGHTER

FIVE TIMES STRONGER

exclusive MOTOR WHEEL Centrifuse BRAKE DRUMS



more *payload* means more profit

Centrifuse brake drums are up to 25% lighter because high grade steel replaces conventional cast iron on the drum shell — yet they are *five times stronger!* Centrifuse drums give you more operating economy and greater payloads.

Centrifuse brake drums are not cast — they combine the advantages of cast iron and steel by fusing molten iron to a tough outer steel stamping by centrifugal force. Motor Wheel's exclusive Centrifuse process provides a drum that's better in every way . . . lighter, stronger, safer, cooler and better balanced.

Over 100 million Centrifuse brake drums have been in service without a single break or explosion — no need to install steel bands to protect against premature cracks. Specify "Centrifuse" drums for your rolling equipment.

WHEELS

HUBS

BRAKE DRUMS

Write for the FREE Brochure on Centrifuse Brake Drums

MOTOR WHEEL CORPORATION
Lansing, Michigan

SERVING THE AUTOMOTIVE INDUSTRY SINCE 1906

81

More details? Circle 144 on reply card inside back cover

HULBERT FORWARDING CO., INC.
BUFFALO, N. Y.
Gives Top Priority to SAFETY and PREVENTIVE MAINTENANCE

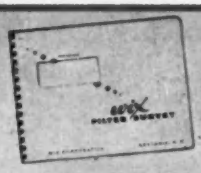
Above — Supt. of Maintenance Jim Krocket shows WIX factory representative how Hulbert Forwarding Co., Inc. uses the WIX Preventive Maintenance Record to save dollars and prevent road failures.

Below — WIX Lube Oil Filters are changed every 5000/6000 miles to keep engines C-L-E-A-N.

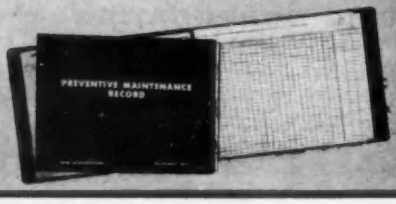
Above — Hulbert mechanic discusses Fuel Filter performance with WIX man and distributor salesman.

Hulbert Forwarding Co., Inc., operates more than 300 car carriers, delivering automobiles to all New England states. Each of these units averages 2 trips a week and the safety record built up over the years, is one in which any fleet can be proud. The same care taken to prevent accidents is reflected in the thorough Preventive Maintenance program initiated by Supt. of Maintenance Jim Krocket. Each tractor is thoroughly checked and serviced at the end of a trip, thereby eliminating road calls and costly down time. All work done is entered in the pages of the Preventive Maintenance Record, furnished by Wix Corporation. This gives a clear, up-to-the-minute picture of the mechanical condition of every vehicle in the fleet at all times. Extra services like the P.M. Record plus a top quality product are the reasons Hulbert Forwarding Co., Inc. has been using WIX Filters for over 20 years.

FREE



Simplify your filter problems with a fleet survey made by a WIX factory-trained Filter Specialist. See how with WIX you have full coverage with minimum inventory... complete stock control and no obsolescence. AND—get the complete story on the new, WIX Preventive Maintenance Record which tells at a glance the performance of every gasoline or Diesel unit in your fleet. Write today!



wix® FILTERS

Get all the facts on how WIX can save your fleet dollars in filter costs and many more dollars in superior performance. Write for the WIX catalog and, information on WIX-PAX service for fleets.

WIX CORPORATION • GASTONIA, N. C.
In Canada: Wix Corporation Ltd., Toronto
In New Zealand: Wix Corporation New Zealand Ltd., Auckland

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Fleet Buyer's Guide

New Car Facts and Figures for 1962

FLEET BUYER'S GUIDE gives you 12 pages of facts and figures for guidance in selecting the type of car best suited to your fleet operation. It has information on the new service-saving features offered by some cars. It shows you how to make the most of important new engineering and marketing developments and how, for the first time, you can find exactly the type of fleet car you want from varieties and combinations never before offered. It weighs economy factors (such as initial cost, upkeep and resale value) against type-of-job factors (purpose of car, prestige, and so forth), to help you arrive at a fleet purchase tailored exactly to your requirements and best interests.

The background of today's changing automotive market

At the end of every model-year, fleet buyers start to look over the crop of new cars to find the vehicle or combination of vehicles which will best suit their automotive needs. This year the selection is wider than ever before. There will be more compacts with even more economy to offer; there will be new full-size cars, with features now *established* as money-makers for fleets; there will be a new dark-horse "kind" of car you will want to think about for fleet use. Never have there been so many models—so many shapes and sizes. Never so many cars with so many close relatives.

To the man on the street, approached on every side to take notice of particular makes and models, this world full of cars can understandably be a confusing one. Usually he's not that sure of his own exact needs.

But to the fleet buyer who knows precisely what his business car requirements are, such a large selection of vehicles becomes an opportunity without precedent to buy without compromise; to buy *just* the qualities he needs—without being forced to include some he can't use but has to pay for just the same!

One reason why manufacturers are offering so many different cars in 1962 is, of course, that the public has indicated to the manufacturers that they want a larger choice. There will be more than 400 models to choose from, a rise of about seventy-five over the 1961 offerings.

In 1962 compact cars are expected to continue their vigorous growth. Of particular interest to fleets will be the new wagons in the compact field —like the new Falcon Deluxe Club Wagon with *twice* the cargo carrying capacity of today's full-size wagons . . . and the new "sophisticated" compact wagon, the Falcon Squire with remarkable prestige appeal. In 1961 the compacts accounted for 35.2% of total production of cars in this country and about 25% of all fleet sales.

And this year there will be a new entry in the automotive derby — a new breed of car, a car apart, a car which offers the best of several car types. This distinctly different automobile promises much for the fleet operator as well as the consumer. Such a vehicle is the 1962 Ford Fairlane. It will be covered later in the GUIDE.

From the foregoing it is obvious that the passenger car market is no longer viewed by the automobile manufacturers principally as a mass market for all-purpose vehicles. Surest evidence of this is that whereas a car dealership ten years ago was a specialty shop—today, in its offerings of luxury, economy and all-purpose utility, in all sizes, your dealer has become an automotive supermarket! For example, your local Ford Dealer will be offering a new high of 33 different models in 1962.

Let's look at some of the factors to consider in helping you to make the soundest possible decision for your business car requirements.

How to select the right car for your fleet

Every fleet car you consider this year will represent a combination of qualities. Matching these qualities to your needs and weighing the degree to which you find them in each make of car is the essence of a sound fleet purchase. Here are seven points to consider when making your next fleet decision:

1. Cars should "keep producing." They should be on the road, not in the shop . . . auto absenteeism is wasteful, expensive. Fleet operators should learn which cars have self-maintenance features designed into them – benefits, such as extended lubrication and oil change intervals, self-adjusting brakes and rust-protected underparts.

2. Cars should help build your organization's image. This is especially important where prestige is a prime requisite in your organization's existence and development. A company is judged to a surprising extent by the "cars it keeps." If economy is as important as a quality impression, the new "*intermediate*" car now qualifies for consideration.

3. Today's compacts are best for certain purposes. Where economy is the prime consideration, a good compact is the answer. This is especially true for multipurpose use involving such tasks as—city sales calls or short trips not requiring heavy loads.

4. For specialized jobs, pick the right car. And there *is* a particular car especially suitable for your particular job. Selecting it depends on such factors as whether your load requirements are unusual, whether high power is desirable, whether luxury or economy are primary or secondary considerations, and whether yours is a local or cross-country operation. So, know your job requirements!

5. "Fringe benefits" should not be overlooked. Driver-salesmen and executives, for example, find the *prestige* factor rewarding for individual *and* organization in personal driving on weekends or evenings. It's good "company psychology" to consider the desires and needs of the individual who will be driving the car, whether off-duty or on-the-job.

6. Resale is important. Consider the features designed into the car you want. Some cars have been designed with features built right into them which will contribute greatly to the maximum return on your investment at resale time.

7. Check the dealer, too. Does he have adequate facilities to properly and efficiently service your cars? Is he convenient? Is he reliable? Talk to some of his customers. Will he be helpful with financing at fair rates? Always remember, a good dealer is a big part of a good deal.

When economy comes first . . . the compact car looks best

The compact car is the pace-setter of fleet operation where economy is most important.

Let's examine, more specifically, just how the compact fleet dollar does go further:

Initial cost of the compact gives it an edge of between $200 to $300 below initial cost of a standard-size car of the same make. But individual car prices must be carefully checked, as some "compact" cars actually cost more than many full-size cars.

Operating costs, particularly gasoline expenditures, are decidedly lower. On the average the compacts get better gasoline mileage than the bigger cars. A Ford Falcon, for example, with standard shift, driven by an expert obtained 32.6 miles per gallon under the cross-country test conditions of the 1961 Mobilgas Economy Run—the *highest* gas mileage ever recorded by a 6- or 8-cylinder car in the history of the Run.

Leading fleet operators report that the average operating savings per car is $130 a year when a fleet is switched from middle-line standards of the Big Three to their compact counterparts.

In a comprehensive study of all operating expenses — fuel, oil, maintenance, tires, depreciation, insurance, licenses and taxes—compact car fleets averaged more than a half-cent a mile less than fleets of standard-size vehicles.

Depreciation rates currently favor the compacts over their big brothers, too, on a dollar basis. Both dealer and fleet operator have been surprised by the consistently high resale value of the compacts. Some makes, however, score higher than others. A point to check carefully!

All in all, the compact car has proved to be the answer for fleet operators where greater economies in operation is of major concern.

Each of the individual compact car makes should be carefully considered on its individual merits with regard to luggage capacity, price, maintenance, and over-all economy — prior to making your final fleet selections.

1962 FALCON

The car that makes a business of savings can make savings in your business!

Top gas economy, low, low prices and a wider choice of models make the '62 Falcon the best shape economy's ever been in!

When fleet buyers ask the "why" of Falcon's fabulous success, the answer comes back quick and to the point. Falcon is the compact that makes the most sense to the most people . . . for the most reasons.

Falcon is the Economy Champ! Under the hood there's an improved version of the famous Falcon Six engine that proved its economy in 1961 by recording the best gas mileage for a 6- or 8-cylinder car in the 25-year history of the Mobilgas Economy Run!

A Falcon Fleet has less upkeep! A 1962 Falcon will go 30,000 miles or 2 years between change of engine coolant-antifreeze . . . 6,000 miles between oil changes, and (in most states) even license and insurance rates are lower.

Falcon is worth more at resale time. Falcon's resale figures have astounded even its most ardent supporters. Falcon's popularity makes your investment pay off!

Falcon has the most models. There are 13 different Falcon models to choose from—two- and four-door sedans, roomy station wagons (including a snappy, new Falcon Squire with elegant woodlike trim on its steel side panels) and new Club Wagons which can carry twice as much as regular full-size station wagons.

—and 1962 adds 62 MORE reasons. Even though it was hard to improve on Falcon, Ford engineers went over the entire car with a fine-tooth comb, checking, changing, perfecting—increasing sound insulation . . . designing a new cantilever-type engine-transmission mount to reduce noise and vibration . . . adding an orifice to the wheel cylinder for quieter braking . . . putting sound absorber in the driveshaft . . . redesigning the rear axle ring and pinion gear teeth for quieter gear operation . . . even hushing up generator brushes for more quiet! For greater durability they put in heavier shock absorber reinforcement . . . a larger size differential gear . . . improved front suspension ball joint seals for reduced ball joint wear and a die cast aluminum front engine cover for more positive oil sealing. These and a host of other features make Falcon in 1962 still America's greatest compact car value.

Full-size fleet cars... for what job and why they can be your best buy

The full-size fleet automobile has a number of unique and important advantages.

It naturally provides more interior room for comfort on long trips and greater carrying capacity for demanding assignments.

It is more impressive to the eye—and with more luxurious appointments inside and out it carries more prestige with it wherever it goes. Combined with more power and performance and the larger range of power assists, this is an automobile which actually works for an organization 24 hours a day. To the employee or executive who drives it on the job and may have use of it over weekends—and to the company he represents, the full-size car offers substantial prestige value.

The greater weight and wider "tread" of the full-size car make it more practical for off-the-road work where rough going is routine, as in construction work, the oil industry, mining, agriculture. It rides better, stands up better.

Superior riding qualities and safety factors also make the "big" car the preference when the job calls for extended trips at turnpike speeds—and driver fatigue is a hazard.

The *full-size* car has demonstrated high resale value, as it generally represents superior built-in quality. Therefore, when these cars come to the used car market they are less apt to show the telltale marks of excessive wear.

Some full-size cars like the 1962 Ford Galaxies—containing *all* the latest service-saving features—will essentially help take care of themselves. These cars cut maintenance costs with such features as self-adjusting brakes, greater intervals between lubrications of major chassis components (suspension, steering linkage, front wheel bearings and universal joints), extended periods between oil changes and change of engine coolant-antifreeze. They also resist wear because vital body parts are protected to resist rust and corrosion and the exterior finish will retain its brilliance and lustre indefinitely.

If you feel the need for a certain amount of added prestige, but have hesitated buying a full-size car because of the higher initial cost, check the maintenance saving features some of them have. Add up the savings these features represent over a one- to two-year period. The savings in maintenance may offset the higher initial cost. Sound unbelievable? Check each car—add up the maintenance savings one particular make in 1962 can give you. You'll become a believer.

Traditionally, the full-size car has been the predominant vehicle in fleet usage. With some of them having new features this year they will continue to merit serious consideration.

Galaxie & Galaxie / 500

5 billion miles prove a Galaxie is built to be more service-free—and keep its fine-car quality

Every fleet dollar buys more luxury this year in the full-size car with all the proven service-saving features.

1962's best full-size buys. With the introduction of two distinguished new Galaxie Series, Ford offers true luxury cars in every respect but price. Now it is pointless to pay more for the finest—or settle for less. And fleet owners can afford to extend the prestige "fringe benefits" of the Galaxie to more positions in the company.

Galaxie's twice-a-year maintenance is the big fleet news in 1962. These are the cars that reduce service to a minimum—30,000 miles on many items, only twice a year or 6,000 miles on the rest. Last year, Ford introduced a revolutionary concept, designed to banish frequent and costly maintenance to a degree that even many of the costliest cars can't match. Today, one year and 5 million owner-driven miles later, the validity of these engineering principles has been proved.

Routine servicing of the Galaxie has been reduced to 30,000 miles between major lubrications, 6,000 miles between oil changes and minor lubrications, two years, or 30,000 miles, without changing engine coolant-antifreeze. Brakes adjust automatically (one fleet operator estimated this brake feature alone saved him $30,000 last year!). Special processing protects vital body parts against rust and corrosion . . . front fenders bolt on . . . and the Diamond Lustre Enamel is super-hard, maintains its showroom beauty indefinitely. With Galaxie in 1962 fleet owners benefit from both prestige and proven maintenance economy.

Enduring elegance . . . with the power to please. Five V-8 engine options make driving, which was once just part of the job, a very special pleasure with Galaxie. Performance and traveling are in the class of the very costliest cars. Everything in Galaxie is built to work quietly. Its silence whispers quality. The businessman who travels behind the wheel of a Galaxie goes everywhere in comfort . . . and arrives in style. He and his Galaxie are both a credit to the organization they represent.

Galaxie by Ford

Promising broad fleet application:

New "first of its kind" car combines features of both compacts and full-size cars

In 1961 the fleet buyer was faced with choosing from two basic size groups, compact or full-size.

Either size group forced the car buyer to compromise on important buying motivations. The full-size car forced the buyer to compromise on *initial cost*, *gasoline economy*, and *easy handling*. By contrast, the compact-size car forced compromise on *interior size*, *performance*, and *riding comfort*.

For a year now you have been reading about new-size cars coming out for 1962. In general, these new kinds of cars were designed to offer the carrying capacity and interior room of full-size cars with substantially smaller exterior size and lighter weight . . . increased luxury and performance at close-to-compact prices. Some were designed to bring you a new combination of more power *and* more economy with new lighter engines built by new methods . . . and all the luxury car service-saving features at compact-class prices.

Though they *all* seem to be designed for the same reason, some missed the mark. Look them all over carefully. You be the judge and ask yourself these questions (it will take a little extra time but as a fleet buyer it is time you should take): Check the size—is it actually larger than a compact car? Check the power—will it provide the desired economy with adequate performance? Is it truly the best value in size, performance, economy, maneuverability and price to meet your fleet requirements? It will pay to look each make over carefully and compare what each offers.

When a new type of fleet car arrives which comes this close to being the ideal, it deserves extremely close and critical examination. Make sure the make you choose has . . . the *best* of the new!

Just right for just about every fleet . . .

1962 Ford Fairlane 500

Here's America's newest car . . . the right size . . . the right price . . . right between Galaxie and Falcon.

RIGHT SIZE!

On the outside, the Fairlane 500 is trimmer, with one foot less to park. On the inside, the new Fairlane is roomier than most cars on the road today. A completely new, unitized body gives you all the space you want on the inside and eliminates bulk on the outside.

RIGHT PRICE!

The Fairlane 500 is priced well below Fords which used to bear its name. It is priced under any other full-size car in America—and under many compacts. Yet Fairlane comes complete with every important luxury you expect to find in a full-size fine car.

TWO NEW ECONOMY ENGINES.

Roomy as the new Fairlane is, fleet operators will be glad to hear it delivers greater gasoline economy than any full-size car in your fleet today. Compared with last year's Fairlane, this year's Fairlane Six averages 25% more mileage on every gallon of gas. Many compacts would envy its mileage figures. The world's first economy Eight also plays a leading role in Fairlane's economy story. Developed exclusively for the new Fairlane, this new Challenger V-8 combines crisp, eager performance with thrift, durability and light weight—product of a new foundry process pioneered by Ford, world's largest maker of V-8's.

SERVICE-SAVING FEATURES THAT WILL SAVE YOU MONEY.

Fairlane 500 takes full advantage of the Galaxie's 5-billion-mile experience in important, service-free features. The all-new Fairlane will go 30,000 miles between major lubrications, 30,000 miles, or two years, without coolant-antifreeze change, 6,000 miles between oil changes . . . and 6,000 miles or 6 months between most other routine service stops. This means Fairlane stays on the road—and out of the shop! Like Galaxie, too, the Fairlane's brakes adjust themselves, and its Diamond Lustre Enamel never needs waxing—simply wash and, if necessary, remove any corrosive substance with a good grade of polish.

FORD FAIRLANE 500

Even after you've purchased the "best buy" car for your company...

The way your fleet is operated can cut maintenance costs ...before they begin!

Tip off your drivers on ways to save. Employee-drivers who don't know the facts of economical operation can't be expected to practice them. Why not give each a check list?

What every good driver should know about gas mileage. He should understand that the way he drives can make a great difference in fuel consumption. The "cowboy" who races his engine at stop lights and drives raggedly on highways, for example, may use 40% more gas than the economical driver. With the following, any needless waste will be eliminated:

Maintain steady speeds. If you don't keep an even speed you're using fuel without the most efficient use of the power it generates. Repeated spurts and slowdowns are wasteful.

Go easy on the "green." Jack-rabbit starts on the green light waste gallons of gasoline by excessive throttle opening and holding automatic transmissions in low gear too long. So much acceleration is usually unnecessary.

Keep tires inflated. Soft tires increase resistance to forward motion — mean you're always "pushing uphill." They literally soak up power.

A cold engine wastes fuel. Check thermostat and cooling system if the gauge doesn't normally register about halfway between C and H. A cold-running engine wastes fuel. So does racing the engine for a quick warm-up on a cold morning. Most economical warm-up is to drive the car for a short distance at low speed.

Check the oil. Proper lubrication of engine, differential and automatic transmission keeps internal friction to a minimum.

Too much friction anywhere soaks up power. New special sealed lubrication systems in cars like Fairlane and Galaxie let you go two years or 30,000 miles between chassis lubrications. Lower friction, too, by maintaining proper wheel alignment. And watch wind resistance—even that of open windows — at highway speeds.

A final, BIG way you can save. Make sure the make of car you are considering is designed with maintenance economy in mind. You have just read how some of the new 1962 fleet cars adjust their own brakes, require chassis lubrication and changing coolant-antifreeze only every 30,000 miles, and engine oil not until 6,000 miles! They have self-adjusting brakes, vital body parts protected from rust and corrosion, and fully aluminized mufflers. Such cars work for you 24 hours a day . . . keeping costs down and efficiency up!

The best single way to protect your fleet investment

. . . is to look into the resale value being built right into fleet automobiles these days.

It works for you around the clock, as surely as a well-briefed driver-salesman. Ford's maintenance saving features will mean real savings to you and are well worth learning about.

Tops for resale, of course, are "Creampuffs" or cars which have had such extraordinary care they look, run, and feel like new. They command top resale prices—way over the average figures listed in official used car buying guides. Dealers and wholesalers alike will allow far more on a "creampuff" or "sharp car" because it promises quick turnover without the risk of expensive reconditioning.

One sure way, then, to save money on new car purchases is to look ahead and preserve or enhance the value of your present cars. If you're in the market for new cars, think about resale. Think about public acceptance of the make. Think about *keeping* those cars in "high resale" condition.

For years Ford has been studying this entire problem. And the record shows that Ford took it upon itself to assume a leading role in maintaining high resale value.

In the fall of 1960 the Ford Motor Company startled the automotive world by extending the new car warranty* on all of its products to a full year or 12,000 miles . . . dramatic proof of advances on three fronts—

Finest Quality . . . Greatest Durability . . . Reliability of Operation. Obviously these are vital to high resale value, as well as low-cost operation. And in the 1962 cars Ford engineers have *continued* to build in high resale factors—both in first quality and operational care.

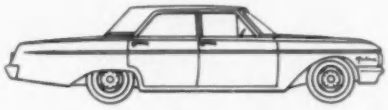
First, they took 71 separate steps to improve the quality in the cars. The 1962 Fords are exceptionally quiet. For example, the doors shut solidly but silently thanks to special sound-softening latch plastics. The cars run silently, too — with improved insulation and retuned frame. Ford *quality control standards are setting a new standard in the industry*. Component materials have been chosen for longer life as well as beauty. In the interiors, for example, where wear and tear shows up earliest on any car, additional nylon increases the life of the carpeting; the rubber floor mats resist wear with a hard vinyl coating, and interior side panels of new materials will resist chipping, peeling or warping under varying atmospheric conditions.

Second, Ford helps you keep resale value high by bringing you cars in 1962 with 5 billion miles of proof they're beautifully built to be more service-free. Routine service has been reduced to 30,000 miles on certain important items—to 6 months or 6,000 miles on the rest. Brakes adjust themselves. Vital body parts are protected against rust and corrosion. All this, of course, is also important to the *second* owner of a 1962 Ford!

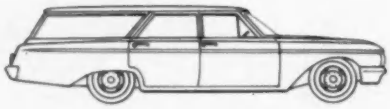
Already acknowledged as a leader in public acceptance of its fine cars, Ford in 1962 takes a giant step forward with cars that will actually help keep themselves in "creampuff condition" for highest resale value, while lowering your maintenance costs as you drive them!

*Extended Warranty—Each part of '62 Fords, except tires, is dealer warranted against defects in materials or workmanship for 12 months or 12,000 miles, whichever comes first. Owners remain responsible for normal maintenance service and routine replacement of maintenance items such as filters and ignition parts.

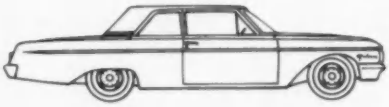
Whatever you're looking for in a fleet car...



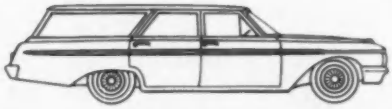
Galaxie Town Sedan



Fordor Ranch Wagon



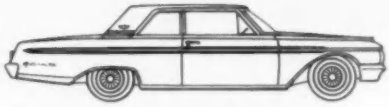
Galaxie Club Sedan



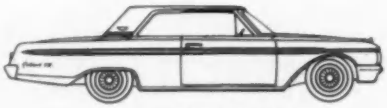
9-Passenger Country Sedan

Galaxie/500 Sunliner

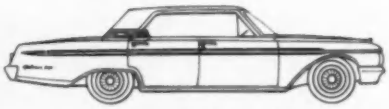
Galaxie/500 Town Sedan



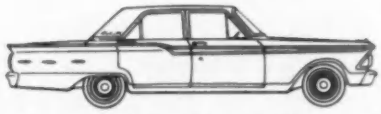
Galaxie/500 Club Sedan



Galaxie/500 Club Victoria

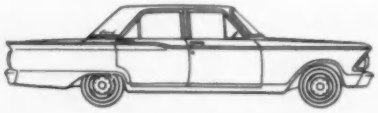


Galaxie/500 Town Victoria



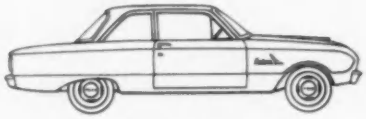
Fairlane 500 Town Sedan

Fairlane 500 Club Sedan

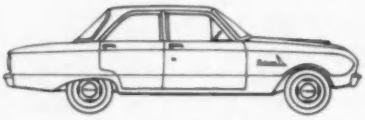


Fairlane Town Sedan

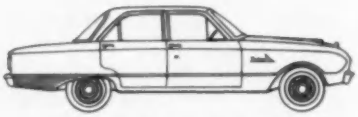
Fairlane Club Sedan



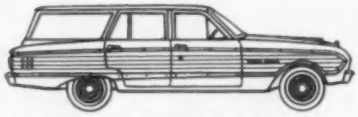
Falcon Tudor Sedan



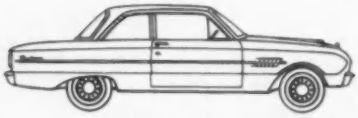
Falcon Fordor Sedan



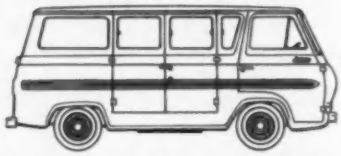
Falcon Deluxe Fordor Sedan



Falcon Squire Wagon (4-door, 6-pass.)



Falcon Futura (2-door, 5-pass.)



Falcon Deluxe Club Wagon (8-pass.)

Look to the long Ford line!

Here on this page are 19 of the 33 glistening, new 1962 Fords in the long Ford line. Contact your Ford District Fleet Sales Manager or your local Ford Dealer to get the full story on all 33 models.

Please keep this book on your desk for a handy reference sheet to the cars that are beautifully built for economy and lasting value!

PRODUCTS OF Ford MOTOR COMPANY

LITHO IN U.S.A.

"Rolling a quarter-million payload miles a month really puts the pressure on our 54 tractors," reports Raymond Luhta, service manager for V-Kap Trucking, Inc., Painesville, Ohio.

"A performance check showed us that units with Lipe clutches were logging about 150,000 miles per clutch. Now our entire fleet (Whites, Fords and Internationals) is equipped with Lipe Clutches, either as original equipment or on a continuing replacement basis.

"As a result, our tractors are spending more time on the road and less in the shop."

Reasons like these – better mileage, more capital equipment use and lower maintenance cost – reveal why so many fleets are converting to Lipe Heavy-Duty Clutches. Make performance prove to you, too, that...

LIPE DELIVERS IN THE CLUTCH

© LIPE—ROLLWAY CORPORATION, SYRACUSE, NEW YORK

The Autolite Standard Spark Plug. Your low cost, long lasting solution to problems of heavy traffic, lots of idling, light loads. Built with special alloy electrodes to resist high combustion chamber temperatures, corrosion, and sparking erosion.

AUTOLITE

DIVISION OF Ford MOTOR COMPANY

CCJ AT YOUR SERVICE

By Ed Shea, Technical Editor

Some fresh auto PM ideas

Lyle Brown, superintendent of Yellow Cab Co., Des Moines, Ia., has studied his preventive maintenance program closely. Maybe his findings can be useful to other fleet car operators as a program to try to beat. Here's what he told the PM Conference, Cab Research Bureau of National Assn. of Taxicab Owners in Detroit:

Tuneup—"Our engine tuneup time is governed by conditions (and drivers' complaints) rather than by a set time or mileage. We tune up the engine when it misses, uses too much gasoline or loses power. Missing is the most frequent complaint. We first make a compression test. If any cylinders are low, we put the plugs back in and run six ounces of kerosene through the carburetor. Then we proceed with the tuneup. We clean and test plugs, check points and condenser. If the kerosene treatment doesn't bring compression back to normal, we grind the valves. We seldom find ring failures. Incidentally, the kerosene has saved us many unnecessary valve jobs."

Spark plugs—"Our theory on spark plugs is, 'If it never misfires, then you can't increase performance or gas mileage by replacing it with a new one.' "

Miscellaneous intervals—Ignition points last an average of 18,897 miles; average tuneup occurs at 10,238 miles, takes 0.7 hour. Ignition points are usually replaced on alternate tuneups, new spark plugs every third tuneup. Average tuneup costs $2.45 for labor, $1.36 for parts.

Engine overhauls—"We don't do them on a mileage basis. We re-ring for excessive use of oil or because of fumes. At the same time, we grind valves and replace pins, main and rod bearings. Our average first ring job on Checkers occurs at 97,081 miles

"Remember the old straight Sixes? . . . They always threw 'em out the TOP!"

(a three-year average which presently is much higher).

Transmissions—"Last year our average overhaul occurred at 65,442 miles. Now we have a great many cabs with 80-90,000 miles and still no overhaul. We don't have accurate figures for this year yet, but think it will be about 90,000 miles. We credit the gain to buying the best transmission oil available and setting up a proper drain period."

Double-duty wrench

Here's a handy tip for making your own tool when the steering gear on an International C-110, 120, 120 4x4, or 130 chassis needs adjustment.

In order to make steering gear cam thrust bearing end play adjustment, you must loosen the gear housing side cover adjusting screw and lock nut to free the studs in the cam groove. You must also loosen the lock nut to adjust the lever shaft studs for back lash.

You can make a good tool for the job by modifying a ¾-in. box-end offset wrench as shown here. You

may need to change the dimensions slightly for your particular vehicle.

The tool will give you good leverage while working around the frame—and still not ruin the altered wrench. You might even adapt the idea for other jobs.

Plastic wiring, accurate gages

ATA's Regular Common Carrier Conference Maintenance Committee put into the record at ATA's convention in Washington last month. . . .

- A move to form a joint subcommittee with Automobile Manufacturers Assn. and Truck-Trailer Manufacturers Assn. to determine specifications of wire that will last the lifetime of the vehicle.
- A new study of instruments and gages in hopes they can be graded within two per cent accuracy at mid-scale, plan them for a 300,000-mile life.
- A call for better standard for Diesel fuels. Major problem areas: Proper identification of No. 1 and

(TURN TO PAGE 295, PLEASE)

The Autolite Transport Spark Plug. Built with oversized extra tough electrodes; denser, extra tough ceramic to stand repeated cleaning and gappings. On the long haul, the best friend your fleet ever had.

AUTOLITE
DIVISION OF Ford MOTOR COMPANY

More details? Circle 148 on reply card inside back cover

The power of an Autolite sta·ful battery is surrounded by a liquid shield. Has up to three times as much water above the plates as ordinary batteries. Stops dry-out cold. Means three times the protection against dry-out at no extra cost. Autolite sta·ful.

AUTOLITE
DIVISION OF Ford MOTOR COMPANY

By Jim Hamilton

Safety men hail latest results from research: It's useable

Research—far out, intense, and loaded with scientific jargon—came of age this year at the National Safety Congress.

As one fleet safety director said, "They've been telling us each year what they don't know. This year they told us what they do know."

It was important for the safety director and the way he'll proceed with his campaigns during the coming year. Results were positive, rather than negative.

For instance, researchers have come up with a couple of tools which may soon help spot the safe driver, cull the crop of applicants with a much higher degree of sureness.

They heard two sides of the sticky question: When is a man's illness or injury too severe to allow him to continue driving?

And they got concise directions on how to get their safety messages across to the driver.

CCJ will present several highlights of motor transport and transit sessions soon. In addition, here are some significant ideas . . .

• **Columbia University's safety group, headed by James L. Malfetti, is going deeper into the characteristics which are present in a good driver.** "What Makes a Safe Driver" (June, page 97), was based on men with 20 years' safe driving experience. Now, said Jerome L. Fine who substituted for Malfetti, the group has asked for enough money to enlarge the study, find out what characteristics of a safe driver are present in younger men.

• **Dr. Thomas N. Jenkins, Director of Psychological Services for Executive Analysis Corp. may be very close to the answer.** His group has developed a test (about 150 questions) that has separated the "accident-prone" from the non-negligent driver. Results are running better than three-out-of-four choices correct.

The test has been tried in several fleets with substantially the same results. It's in the checkout stage at the moment, being run against groups of known good and bad drivers.

Already, Dr. Jenkins thinks, it could be a fine selection tool. But the ultimate goal is to take error out of it. One bonus: The test seems to point out the group of drivers who are basically non-negligent, signals safety instructors to give these men more training to develop them into thoroughly safe drivers.

• **Chicago Transit Authority's Dr. George H. Irwin took a firm stand on physical fitness requirements for CTA's drivers.** He says the medical de-

partment "blows the whistle" on any driver not at the height of physical condition.

"This is no place to hire the handicapped. Drivers must be the very best physical specimens for public transportation," Dr. Irwin said.

At CTA, a driver applicant won't be accepted if he wears contact lenses (regular glasses are OK if his vision is corrected sufficiently). Reason: Supervisors can't check to see if they're being worn.

To back up its program of frequent and tough physicals, CTA has a bus converted to a traveling clinic. It goes throughout the city, checking out drivers who haven't received exams for illnesses, injuries, or at supervisors' suggestions.

Good way to keep drivers with bad medical records from joining your fleet, Dr. Irwin says, is to get the applicant's permission to write away for his military medical record. CTA has often avoided later troubles by checking into long-term diseases, discovering confinements the man would like to forget.

• **On the other hand, Dr. Merken told the motor transport group that men often compensate adequately for long-term disabilities.** He includes drivers without 20/20 vision, color blindness ("No problem at all"), some loss of hearing and some muscle defects. He warned, however, against the short-term defect—like a broken arm. That one can't be compensated for in a short time.

• **When it comes to getting a safety message across to drivers, Frank R. Burrows, Jr., field service director of Citizens Traffic Safety Board, told the transit section to use gimmicks.** He says humor and gimmicks may be corny, but they're not degrading. They make the message stick. He's willing to prove his point with a booklet he offers. (Write him for one at 20 N. Wacker Dr., Chicago 6, Ill.)

• **Dr. Hideya Kumata, communications expert at Michigan State, took a different tack.** He says the student-teacher setup (as often used in safety meetings) is not very good for making a lasting impression. He recommends the friend-to-friend approach because a classroom or written message probably won't change an attitude.

He warned: Ask the man whom you know began the sessions unconvinced, if you want to find out if you're doing a good job. Too often we ask the fellow already in favor, get a distorted view of our success in changing attitudes.

He pointed out another danger area: Our "earlier messages." He said we must often change impressions we made earlier to get across a new idea. Competition, therefore, is great for the safety director. He has himself, the "opinion leaders" among drivers and the mass media to disprove before he can set himself up as a "reliable source" of information on a new safety method.

(FOR MORE SAFETY ITEMS, TURN TO PAGE 293, PLEASE)

To ruts, chuck holes, stones, railroad tracks, shocks, bumps, jars, and vibration of all kinds. The Autolite Anchor Bond battery. The plates are chemically bonded in place by a new patented process to give you patented immunity from vibration failure.

AUTOLITE

DIVISION OF Ford MOTOR COMPANY

More details? Circle 149 on reply card inside back cover

A brand new line of Autolite service parts for every single truck and car made by the Ford Motor Company. Points, coils, condensers, carburetors, tune-up kits . . . most everything you might need.

AUTOLITE

DIVISION OF Ford MOTOR COMPANY

LAUGH IT OFF

Does on-the-job tension "bug" you, make you feel nervous? Try some on-the-job exercise. For example: Park a couple blocks away and walk to work. When the squeeze is on, walk up and down a flight of steps—slowly. At your desk, flex your neck and shoulder muscles. When lunchtime comes, take a 10-min walk. In other words, tranquilize with exercise.

Question: Does your girl use four letter words?
Answer: Yea, like "don't," "can't" and "won't"!

GIRL TO GIRL: I WOULDN'T TRUST HIM TOO FAR . . . OR TOO NEAR!

Maybe it's on-the-job fatigue that's getting you down. Big boost can come from the usual mid-morning or mid-afternoon coffee break. To get the most from it, drink it slowly and add more sugar than normal.

A candy bar or a soft drink also will provide added sugar for quick energy. Even a healthy drink of cold water can postpone a desire for a catnap. And maybe all you need is more oxygen. Take a few deep breaths.

DRIVER TO POLICEMAN: WHAT DRIVER'S LICENSE? YOU TOOK IT AWAY LAST MONTH!

Question: Why do women take milk baths?
Answer: Cows aren't tall enough for a shower!

One way to make your letters easier to read is to avoid stuffy and unnatural phrases. For example . . .

SAY . . .	. . . INSTEAD OF
Soon	At an early date
Received	Acknowledge receipt of
Here's	Enclosed please find
You'll see	Please note
You can be sure	You may rest assured
If it's all right	With your kind permission
I'm happy to say	I am pleased to advise

IDEAS TO TRY

By Ted Pollock

How do you put your imagination to work? Try solving your problem from someone else's viewpoint. For example, how would your wife do it? Or write down all possible answers to the question—even the ridiculous. Try letting your mind wander as you doodle or sketch. The mere act of playing with a problem often stimulates the imagination.

Question: Do you shrink from kissing?
Answer: If I did, I'd be skin and bones!

MAN TO MAN: LIKE A SERIAL STORY, MY GIRL STOPS WHEN THINGS GET EXCITING!

You can find time to read more. First thing to do is keep handy what you want to read. If you commute to work, you combine reading time with freedom from traffic tension. Reading can be scheduled into your day's planning, during the day if possible. A half hour at night is less likely to be interrupted. Keep track of the use you make of what you read. This gives you a check on the value of your reading time.

HELP WANTED: MECHANIC TO WORK EIGHT HOURS TO REPLACE ONE WHO DIDN'T!

Question: Why won't this match you gave me light?
Answer: I don't know. It lit for me!

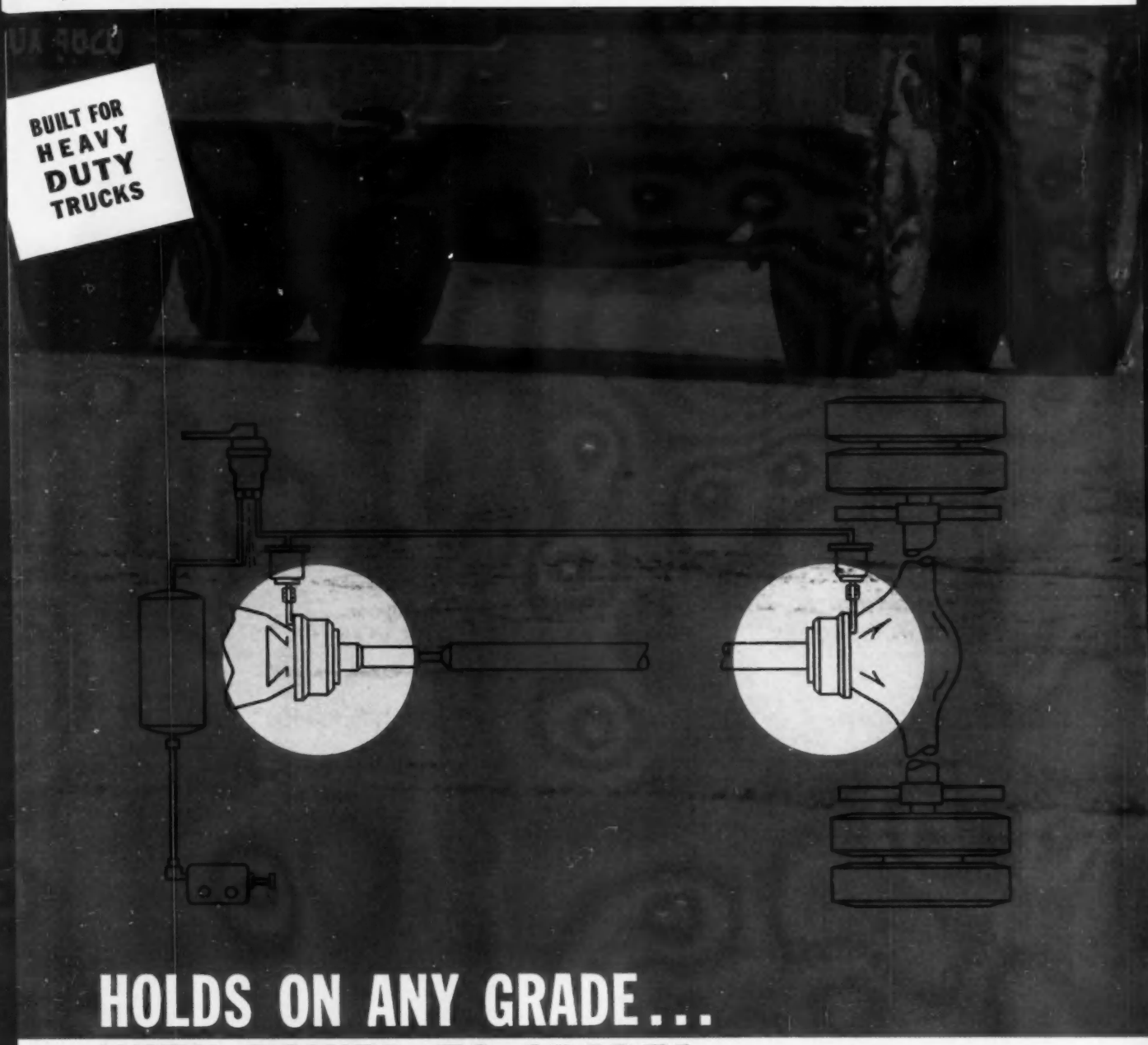
How can you get a letter back from the post office once you've mailed it? Act fast. Make up an envelope that duplicates the one you mailed—including the address. Take it to the post office in the same zone the original letter was mailed in.

Here you'll fill out Withdrawal Form No. 1509. If the letter hasn't left town, a phone call by the local superintendent will probably get it returned. If it has left town, chances are you'll have to pay for a long distance phone call or telegram.

No matter what brand of cars or trucks you run, keep the new line of Autolite parts in mind. Universal regulators, coils, and generators are only the beginning. They are all made with special loving care to give your fleet more time up, less down.

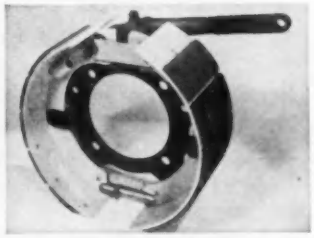
AUTOLITE
DIVISION OF Ford MOTOR COMPANY

More details? Circle 150 on reply card inside back cover



HOLDS ON ANY GRADE...
WITH POWER TO SPARE!
BENDIX PROP-SHAFT PARKING BRAKE

Designed to complement service brakes, the Bendix® prop-shaft auxiliary system provides fail-safe braking wherever needed. It automatically takes over should the service system fail, and is also used as a parking brake. This emergency system operates completely independently of the wheel brake. It is not affected by fade in the wheel brakes, or failure of either air or hydraulic systems. Spring-loaded chambers at each brake are actuated by an independent compressed air system. Application of the brakes can be modulated to meet various road and load conditions. Write us at South Bend, Ind., for more details.



BRAKE HEADQUARTERS OF THE WORLD

Bendix Products Automotive Division

More details? Circle 151 on reply card inside back cover

THE Bendix CORPORATION

COMING EVENTS

DATES & DOINGS

NOVEMBER

14-16—National Freight Claim Council, Fall Meeting, Sheraton-Towers Hotel, Chicago.

16-17—Associated Motor Carriers of Oklahoma, Annual Convention, Sheraton-Oklahoma Hotel, Oklahoma City, Okla.

20—Colorado Motor Carriers Assn., Convention, Brown Palace Hotel, Denver, Colo.

DECEMBER

4-7—Asphalt Institute, Annual Meeting, Shoreham Hotel, Washington, D. C.

5-6—The Operations Council of American Trucking Assns., Steering Committee Meeting, ATA Bldg., Washington, D. C.

7-14—Automotive Electric Assn., Annual Meeting, Edgewater Beach Hotel, Chicago.

JANUARY

8-12—Society of Automotive Engineers, Automotive Engineering Congress and Exposition, Cobo Hall, Detroit.

9-13—American Automotive Leasing Assn., Annual Meeting, Miami Beach, Fla.

11-12—Regular Common Carrier Conference, Maintenance Committee, Meeting, Hotel Tuller, Detroit.

28-31—Truck - Trailer Mfrs. Assn., Annual Convention, Riviera Hotel, Palm Springs, Cal.

28-Feb. 1—Associated Equipment Distributors, Annual Convention, Conrad Hilton Hotel, Chicago.

FEBRUARY

1-2—Private Truck Council of America, Annual Meeting, Statler-Hilton Hotel, Detroit.

8—Internal Combustion Engine Institute, Annual Meeting, Chicago.

12-15—Air Conditioning & Refrigeration Industry, Exposition, Los Angeles, Cal.

14-18—Assn. of Diesel Specialists, Annual Convention, Royal Orleans Hotel, New Orleans, La.

15-16—Car and Truck Renting & Leasing Assn. (CATRALA), Annual Meeting, Congress Hotel, Chicago.

26-Mar. 1—Associated General Contractors of America, Annual Convention, Los Angeles, Cal.

MARCH

4-7—American Roadbuilders Assn., Annual Meeting and Highway Materials & Services Exhibit, Sheraton-Palace Hotel, San Francisco, Cal.

9-11—Movers & Warehousemen's Assn. of America, Annual Convention, El Mirador Hotel, Palm Springs, Cal.

18-22—National Furniture Warehousemen's Assn., Annual Convention, Boca Raton, Fla.

AUTOMOTIVE WEEK, U. S. A.

Automotive Service Industry Assn.
Feb. 25-Mar. 3, 1962 — Chicago

Calendar of Events . . .

Feb. 25—ASIA Annual Membership Reunion, Sherman Hotel.

Feb. 26—ASIA Membership Banquet, Conrad-Hilton Hotel.

Feb. 26-27—ASIA National Convention, Conrad-Hilton Hotel.

Feb. 26-27—ASIA Luncheons, Conrad-Hilton Hotel.

Feb. 27—Motor & Equipment Mfrs. Assn., President's Reception and Banquet, Drake Hotel.

Mar. 1—Overseas Automotive Club, Annual Reception and Banquet, Sheraton-Chicago Hotel.

Mar. 2-3—Special days for fleetmen, International Automotive Service Industries Show, Navy Pier. (Show actually opens on Feb. 28.)

PRODUCT DIRECTORY FOLLOWS

FLEET TRAINING COURSES

For addresses of sponsoring colleges, see page 232 of this issue.

DRIVER TRAINING

North Carolina State College — Nov. 27-Dec. 22.

FLEET MAINTENANCE

Industrial Education Center, Wilson, N. C. (2-yr courses, 6 quarters) —Starting dates: Dec., Mar., Sept.

Syracuse University (evening)—Feb.-May, 1962.

Ontario Safety League, Toronto — Mar. 19-23, 1962.

North Carolina State College—Apr. 9-13, 1962.

TOP MANAGEMENT

American University, Washington, D. C.—Feb. 12-16, 1962.

FLEET SUPERVISOR

Quebec Safety League, Montreal — Jan. 1962.

Ontario Safety League, Toronto — Sept. 17-30, 1962.

DRIVER TRAINER

Ontario Safety League, Toronto — Apr. 30-May 4, 1962.

CCJ 1962 FLEET BUYERS'

TO FIND WHAT YOU NEED

To speed your use of this 1962 Fleet Buyers' Directory, all product headings and supplier listings have been fully revised. Supplier listings include both company name and address. Manufacturers with their names **ALL IN CAPITALS** have advertised their products in **COMMERCIAL CAR JOURNAL** during the past year.

Products are listed under their most commonly used name. For example, oil filters are listed as "Oil Filters"—and not as "Filters, Oil." Where there is a difference in usage, cross-references are made. In addition, major product categories are shown under a group heading. For example under . . .

BRAKES

. . . you'll find brake systems, adjusters, bleeders, cable, drums, fluid, lining, shoes and other brake parts, components and tools.

If you can't find what you need, ask the editors by using the free reply card inside the back cover. Remember, vehicle makers offer parts and components for their own vehicles. Generally it is not possible to list them under all the product headings involved. Also many makers have a line of reconditioned (by qualified local rebuilders) parts and components, and some supply parts and components for other makers' vehicles. Vehicle makers who have a separately named division for handling parts and components are listed under the heading "Replacement Parts." Otherwise the address is as shown under the appropriate vehicle heading. For example, "Trucks" or "Trailers."

ACETYLENE & OXYGEN GASES

Air Reduction Sales Div Air Reduction Co Inc Socony-Mobil Bldg 150 E 42nd St New York 17 N Y
Burdett Oxygen Co of Cleveland Inc 3300 Lakeside Ave Cleveland 14 Ohio
Linde Co Div Union Carbide Corp 270 Park Ave New York 17 N Y
LIQUID CARBONIC DIV General Dynamics Corp 135 S LaSalle St Chicago 3 Ill
National Cylinder Gas Co Div of Chemetron Corp 840 N Michigan Ave Chicago 11 Ill

ADDITIVES, Fuel and Oil

Acheson Colloids Co 1925 Washington Ave Port Huron Mich
ALEMITE DIV Stewart-Warner Corp 1850 Diversey Pkwy Chicago 14 Ill
Amalie Div Sonneborn Chemical & Refining Corp Franklin Pa
AMERICAN OIL CO 910 S Michigan Ave Chicago 80 Ill
Atlantic Refining Co 260 S Broad St Philadelphia 1 Pa
Bardahl International Corp 1400 W 52nd St Seattle 7 Wash
Bowes "Seal Fast" Corp 5902 E 34th St Indianapolis 18 Ind
Climax Molybdenum Co 1270 Ave of the Americas New York 20 N Y
Cristy Chemical Corp 37 Harvard St Worcester 8 Mass
Curran Corp S Canal St Lawrence Mass
DOW CHEMICAL CO Midland Mich
DU BOIS CHEMICALS INC Broadway at Seventh Cincinnati 2 Ohio
DU PONT DE NEMOURS & CO E I Finishes Div Chemical Specialties Sales Wilmington 98 Del
ELCO LUBRICANT CORP THE Jennings Rd & Denison Ave Cleveland 9 Ohio
Ensign Products Co 3528 E 76th St Cleveland 5 Ohio
Esso Standard Div Humble Refining Co 15 W 51st St New York 19 N Y
Fuels Research Service Co 1622 Arapahoe St Denver 2 Colo
GULF OIL CORP P O Box 2140 Houston 2 Texas
Gunk Laboratories Inc 630 N Harlem Ave River Forest Ill
HASTINGS MFG CO N Hanover St Hastings Mich
Hollingshead Corp R M 840 Cooper St Camden 2 N J
Houghton & Co E F 303 W Lehigh Ave Philadelphia 33 Pa
Kapro Corp 2329 S Michigan Ave Chicago 16 Ill
KENDALL REFINING CO 77 N Kendall St Bradford Pa
LUBAL DIV John Holt & Co Inc 375 W Rich St Columbus 22 Ohio
LUBRICATION ENGINEERS INC 2807-11 Race St Fort Worth 11 Texas
MAGNUS CHEMICAL CO INC 38 South Ave Garwood N J
Marvel Oil Co 331 N Main St Port Chester N Y
Miracle Power Products Corp 1101 Beltline St Cleveland 9 Ohio
MOBIL OIL CO 150 E 42nd St New York 17 N Y
Moly Motor Products Corp 314 Scholes St Brooklyn 6 N Y
Nutmeg Chemical Co Motive Specialties Div 130 Haven St New Haven 13 Conn
Oronite Chemical Co A California Chemical Co (sub) 200 Bush St San Francisco 20 Cal
Pennsylvania Refining Co 2686 Lisbon Rd Cleveland 4 Ohio
Pennzoil Div South Penn Oil Co Drake Bldg P O Box 78 Oil City Pa
Permatex Co 300 Broadway Huntington Sta New York N Y
Pyroil Co 122 N Main St La Crosse Wis
Quaker State Oil Refining Corp Quaker State Bldg Oil City Pa
Radiator Specialty Co 1400 W Independence Blvd Charlotte 1 N C
Rust Master Chemical Corp 175 Union St Worcester 8 Mass
SPRAY PRODUCTS CORP P O Box 1988 Camden 1 N J
STANDARD OIL CO OF CALIFORNIA 225 Bush St San Francisco 20 Cal
Sun Oil Co 1608 Walnut St Philadelphia 3 Pa
Turtle Wax Inc 1800 N Clybourn Ave Chicago 14 Ill
UNION CARBIDE CONSUMER PRODUCTS CO Div Union Carbide Corp 270 Park Ave New York 17 N Y

ADJUSTERS, BRAKE—See Brake Adjusters
ADJUSTERS, TIRE CHAIN—See Tire Chain Adjusters
AIR BRAKES—See Brakes Air Systems & Parts

AIR CLEANERS

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Highway Flint 2 Mich
Air-Maze Div Rockwell-Standard Corp 25000 Miles Rd Cleveland 28 Ohio
BALDWIN MFG CO JA Kearney Nebr
Donaldson Co Inc 666 Pelham Blvd St Paul 14 Minn
FRAM CORP Pawtucket Ave Providence 16 R I
G N FILTERS First Nat'l Bank Bldg St Paul 1 Minn
HASTINGS MFG CO N Hanover St Hastings Mich
Lee Filter Corp 191 Talmadge Rd Edison N J
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Purolator Products Inc 970 New Brunswick Ave Rahway N J
SCHRADER'S SON A Div Scovill Mfg Co 470 Vanderbilt Ave Brooklyn 38 N Y
SUPERIOR ARROWHEAD First Nat'l Bank Bldg St Paul 1 Minn
Walker Mfg Co of Wisconsin 1201 Michigan Blvd Racine Wis
WIX CORP 1211 Ozark Ave Gastonia N C

AIR COMPRESSORS, Vehicle

BENDIX WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO 901 Cleveland Rd Elyria Ohio
CUMMINS ENGINE CO 1000 Fifth St Columbus Ind

DIRECTORY

MIDLAND-ROSS CORP Owosso Div 490 S Chestnut St Owosso Mich

WAGNER ELECTRIC CORP 6470 Plymouth Ave St Louis 33 Mo

AIR COMPRESSORS, Shop

Binks Mfg 3114-44 W Carroll Ave Chicago 12 Ill

Brunner Div Dunham-Bush Inc 179 South St West Hartford 10 Conn

Champion Pneumatic Machinery Co 825 N Pleasant St Princeton Ill

CHICAGO PNEUMATIC TOOL CO 8 E 44th St New York 17 N Y

Curtis Mfg Co Pneumatic Div 1905 Kienlen Ave St Louis 33 Mo

De Vilbiss Co 300 Phillips Ave Toledo 1 Ohio

INGERSOLL-RAND CORP 11 Broadway New York 4 N Y

KELLOGG-AMERICAN DIV Scaife Co Pittsburgh 35 Pa

Lincoln Engineering Co 4010 Goodfellow Blvd St Louis 20 Mo

Quincy Compressor Co 217 Main St Quincy Ill

Schramm Inc Virginia & Garfield Aves West Chester Pa

TOKHEIM CORP General Products Div 1602 Wabash Ave Fort Wayne 1 Ind

United States Air Compressor Co 5300 Harvard Ave Cleveland 5 Ohio

Weaver Mfg Div Dura Corp 2171 S Ninth St Springfield Ill

Westinghouse Air Brake Co Industrial Products Div P O Box 36 Wilmerding Pa

Worthington Corp Harrison N J

AIR COMPRESSORS, Construction

Allis-Chalmers Mfg Co Milwaukee 1 Wis

Caterpillar Tractor Co 600 W Washington St Peoria 8 Ill

Davey Compressor Co 600 Franklin Ave Kent Ohio

Gardner-Denver Co S Front St Quincy Ill

INGERSOLL-RAND CORP 11 Broadway New York 4 N Y

KELLOGG-AMERICAN DIV Scaife Co Pittsburgh 35 Pa

Le Roi Div Westinghouse Air Brake Co Sidney Ohio

Schramm Inc Virginia & Garfield Aves West Chester Pa

Westinghouse Air Brake Co Industrial Products Div P O Box 36 Wilmerding Pa

Worthington Corp Harrison N J

AIR CONDITIONERS

Airtemp Div Chrysler Corp 1610 Webster St Dayton 1 Ohio

Ara Mfg Co P O Box 685 Grand Prairie Texas

AUTOMATIC RADIO MFG CO INC (VORNADO) 122 Brookline Ave Boston 15 Mass

EATON MFG CO Heater Div E 65th & Central Ave Cleveland 4 Ohio

Flxible Co 326 N Water St Loudonville Ohio

FORD DIV Ford Motor Co P O Box 658 Dearborn Mich

FRIGIKAR CORP 10858 Harry Hines Blvd Dallas 20 Texas

Frigiquip Corp 3724 N May Ave P O Box 7205 Oklahoma City Okla

HARRISON RADIATOR DIV General Motors Corp Washburn & Walnut Sts Lockport N Y

KYSOR HEATER CO 1100 W Wright St Cadillac Mich

MACK TRUCKS INC 1355 W Front St Plainfield N J

McCord Corp Riopelle at E Grand Blvd Detroit 11 Mich

McGRAW-EDISON CO Transportation Cooling Div 5201 W 65th St Chicago 38 Ill

MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich

Novi Sales & Service Co Inc 20830 Coolidge Hwy Oak Park Mich

Onan & Sons Inc D W University Ave S E at 25th St Minneapolis 14 Minn

Thermo Equipment Corp 179 Pulaski St Newark N J

THERMO KING CORP 314 W 90th St Minneapolis 20 Minn

TRANSICOLD CORP 1100 S Taylor Ave Montebello Cal

York Div Borg-Warner Corp York Pa

AIR FILTERS—See Air Cleaners

AIR HORNS—See Horns, Air

AIR HOSE—See Hose, Air

AIR MOTORS, STARTING—See Starting Motors, Air

AIR NOZZLES—See Nozzles, Air

AIR SUSPENSIONS—See Springs, Air

AIR VALVES—See Valves

ALARMS, AIR & OIL PRESSURE—See Signals

ALARMS, Carbon Monoxide

Cambridge Instrument Co Inc Graybar Bldg 420 Lexington Ave New York 1 N Y

Mine Safety Appliances Co Braddock Thomas & Meade Sts Pittsburgh 8 Pa

ALARMS, Truck and Cargo Protection

Babaco Alarm Systems Inc 733 Washington St New York 14 N Y

Certified Burglar Alarm Systems 1418 W Augusta Blvd Chicago Ill

Ever Guard Automatic Burglar Alarm Co Inc 404 W 53rd St New York N Y

KYSOR HEATER CO 1100 W Wright St Cadillac Mich

Tire Mart Inc National Fleet Service The 404 Fifth Ave New York 16 N Y

ALIGNMENT EQUIPMENT (Frame)

Bean Div John FMC Corp 1305 S Cedar St Lansing 4 Mich

BEAR MFG CO 2016 Fifth Ave Rock Island Ill

Bee Line Co 2237 State St Bettendorf Iowa

Blackhawk Automotive Div Blackhawk Mfg Co 5325 W Rogers St Milwaukee 46 Wis

HEIN-WERNER CORP 1200 National Ave Waukesha Wis

Hunter Engineering Co Hunter Ave & Ladue Rd St Louis 24 Mo

ALIGNMENT EQUIPMENT (Front End)

Accurate Products Inc 135 N Spring St Indianapolis Ind

ALEMITE DIV Stewart-Warner Corp 1850 Diversey Pkwy Chicago 14 Ill

Bean Div John FMC Corp 1305 S Cedar St Lansing 4 Mich

BEAR MFG CO 2016 Fifth Ave Rock Island Ill

Bee Line Co 2237 State St Bettendorf Iowa

Bennett-Feragen 1408 Jerome St Niles Mich

BRANICK MFG CO INC P O Box 1937 Fargo N D

HEIN-WERNER CORP 1200 National Ave Waukesha Wis

Hunter Engineering Co Hunter Ave & Ladue Rd St Louis 24 Mo

Kent-Moore Organization Inc 28635 Mound Rd Warren Mich

OWATONNA TOOL CO 341 N Cedar St Owatonna Minn

SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis

Weaver Mfg Div Dura Corp 2171 S Ninth St Springfield Ill

ALIGNMENT EQUIPMENT (Trailer Axles)

Manufacturers Machine Co (Tand-A-Liner) 139 S Hatfield Dayton 17 Ohio

ALTERNATORS

AUTOLITE DIV Ford Motor Co P O Box 2338 Dearborn Mich

DELCO-REMY DIV General Motors Corp Anderson Ind

ELECTRIC AUTOLITE CO THE (PRESTOLITE) P O Box 931 Toledo 1 Ohio

FORD DIV Ford Motor Co P O Box 658 Dearborn Mich

General Electric Co Apparatus Sales Div 1 River St Schenectady 5 N Y

Impac Corp P O Box 2003 Pompano Beach Fla

LEECE-NEVILLE CO 1374 E 51st St Cleveland 3 Ohio

MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich

UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich

ALUMINUM

ALUMINUM CO OF AMERICA 1501 Alcoa Bldg Pittsburgh 19 Pa

Anaconda Aluminum Co P O Box 1654 Louisville Ky

ALUMINUM—continued

Bridgeport Brass Co 30 Grand St Bridgeport 2 Conn
Chase Brass & Copper Co 236 Grand St Waterbury 20 Conn
Kaiser Aluminum & Chemical Corp 300 Lakeside Dr Oakland 12 Cal
Olin Mathieson Chemical Corp Metals Div 400 Park Ave New York N Y
REVERE COPPER & BRASS INC 230 Park Ave New York 17 N Y
Reynolds Metals Co P O Box 2316 Richmond 19 Va

AMMETERS, Instrument Panel

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
Accurate Products Inc 135 N Spring St Indianapolis Ind
ELECTRIC AUTOLITE CO THE (PRESTOLITE) P O Box 931 Toledo 1 Ohio
KING-SEELEY THERMOS CO 315 S First St Ann Arbor Mich
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
STEWART-WARNER CORP Instrument Div 1840 Diversey Pkwy Chicago 14 Ill
Sun Electric Corp Harlem & Avondale Chicago 31 Ill

AMMETER TESTERS—See Analyzers, Engine & Electrical

ANALYZERS (Engine & Electrical)

(See also Oscilloscopes and Vacuum Gages)

Allen Electric & Equipment Co 2101 N Pitcher St Kalamazoo 13F Mich
Auto Test Inc 600 S Michigan Ave Chicago 5 Ill
BACHARACH INDUSTRIAL INSTRUMENT CO (Combustion only) 200 N Braddock Ave Pittsburgh 8 Pa
Bee Line Co 2237 State St Bettendorf Iowa
BOSCH CORP ROBERT 40-25 Crescent St Long Island City 1 N Y
Cambridge Instrument Co Inc (Combustion only) Graybar Bldg 420 Lexington Ave New York 1 N Y
CLAYTON MFG CO 433 N Temple City Blvd El Monte Calif
DuMont Laboratories Inc Allen B Div Fairchild Camera & Instrument Corp 750 Bloomfield Ave Clifton N J
Electro Products Co 445 E 189th St New York 58 N Y
ENGLER INSTRUMENT CO 250 Culver Ave Jersey City 5 N J
Fox Valley Instrument Co Rte 4 Sheboygan Mich
Heyer Industries Inc 500 Cortland St Belleville 9 N J
Kal-Equip Co 411 Washington St Otsego Mich
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
King Electric Equipment Co 9123 Inman Ave Cleveland 5 Ohio
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
Niehoff & Co C E 4925 W Lawrence Ave Chicago 30 Ill
Shurhit Products Inc 845 S Market St Waukegan Ill
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Sun Electric Corp Harlem & Avondale Chicago 31 Ill
TRIPLE-A SPECIALTY CO 2835 N Western Ave Chicago 18 Ill
WEIDENHOFF CORP Hwy #18 Algona Iowa
WESTBERG MFG CO Box 239 144 S Coombs St Napa Cal

ANTI-FREEZE, Cooling System

Commercial Solvents Corp 260 Madison Ave New York 17 N Y
DOW CHEMICAL CO Midland Mich
DU PONT DE NEMOURS & CO E I Polychemical Dept Zerone & Zerex Antifreeze Sales Section Wilmington 98 Del
Esso Standard Div Humble Refining Co 15 W 51st St New York 19 N Y
FIRESTONE TIRE & RUBBER CO 1200 Firestone Pkwy Akron 17 Ohio
General Tire & Rubber Co Englewood & Holmes Aves Akron 9 Ohio
GULF OIL CORP P O Box 2140 Houston 2 Tex
Gumout Div Pennsylvania Refining Co 2686 Lisbon Rd Cleveland Ohio
Hollingshead Corp R M 840 Cooper St Camden 2 N J
Houston Chemical Corp 200 Madison Ave New York 16 N Y
Jefferson Chemical 1121 Walker St Houston 2 Tex
LEE RUBBER & TIRE CORP Conshohocken Pa
MOBIL OIL CO 150 E 42nd St New York 17 N Y
Olin Mathieson Chemical Corp Industrial Chemical Div Mathieson Bldg Baltimore 3 Md
SHELL OIL CO 50 W 50th St New York 20 N Y
TEXACO INC 135 E 42nd St New York 17 N Y
UNION CARBIDE CONSUMER PRODUCTS CO Div Union Carbide Corp 270 Park Ave New York 17 N Y

ANTI-THEFT DEVICES—See Alarms Truck & Cargo Protection
ARMATURES—See Generators, Vehicle
ARBOR PRESSES—See Presses, Hydraulic
ARC WELDERS—See Welders, Electric
AUXILIARY TRANSMISSIONS—See Transmissions, Auxiliary

AXLES

AXLES, Front

Bolling Wheel & Axle Div Anderson-Bolling Mfg Co P O Box 350 Grand Haven Mich
CLARK EQUIPMENT CO Automotive Div Buchanan 3 Mich
EATON MFG CO Axle Div 739 E 140th St Cleveland 10 Ohio
Hahn Motors Inc 400 S Third St Hamburg Pa
Marmon-Herrington Co 1511 W Washington St Indianapolis 7 Ind
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
PAGE & PAGE CO 0605 S W Curry St Portland 1 Ore
ROCKWELL-STANDARD CORP Transmission & Axle Div 100 Clark Ave Detroit 32 Mich
SHULER AXLE CO 2901 S Second St Louisville 8 Ky

AXLES, Front Drive

AMERICAN-COLEMAN CO Littleton Colo
CLARK EQUIPMENT CO Automotive Div Buchanan 3 Mich
DANA CORP Standard Equipment Div 4100 Bennett Rd Toledo 1 Ohio
F A B Mfg Co 1249 67th St Oakland 8 Calif
FWD Corp E 12th St Clintonville Wis
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Marmon-Herrington Co 1511 W Washington St Indianapolis 7 Ind
NAPCO INDUSTRIES INC Napco Axle Div 7th & Lyndale Minneapolis 11 Minn
OSHKOSH MOTOR TRUCK INC 2300 Oregon St Oshkosh Wis
ROCKWELL-STANDARD CORP Transmission & Axle Div 100 Clark Ave Detroit 32 Mich

AXLES, Rear Assembly

Andrews Industries Inc 7901 Alabama Ave St Louis 11 Mo
CLARK EQUIPMENT CO Automotive Div Buchanan 3 Mich
DANA CORP Standard Equipment Div 4100 Bennett Rd Toledo 1 Ohio
DETROIT AUTOMOTIVE PRODUCTS CORP 8707 Grinnell Ave Detroit 13 Mich
EATON MFG CO Axle Div 739 E 140th St Cleveland 10 Ohio
FWD Corp E 12th St Clintonville Wis
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
HENDRICKSON MFG CO 8001 W 47th St Lyons Ill
Hutchens & Son Metal Products Inc 2332 E Division St Rd Springfield Mo
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
NAPCO INDUSTRIES INC Napco Axle Div 7th & Lyndale Minneapolis 11 Minn
ROCKWELL-STANDARD CORP Transmission & Axle Div 100 Clark Ave Detroit 32 Mich

AXLES, Rear, Two-Speed

EATON MFG CO Axle Div 739 E 140th St Cleveland 10 Ohio
ROCKWELL-STANDARD CORP Transmission & Axle Div 100 Clark Ave Detroit 32 Mich
Schwan Engrg & Mfg Co 534 W Arlington Ave St Paul 17 Minn

AXLES, Trailer

Aerobilt Bodies Inc Div Grumman Aircraft Co Athens N Y
Brimco Mfg Co 1220 S Industrial Rd Salt Lake City Utah
CLARK EQUIPMENT CO Automotive Div Buchanan 3 Mich
EATON MFG CO Axle Div 739 E 140th St Cleveland 10 Ohio
Grico Two Axle Drive Co 19840 Eight Mile Rd E Redford Sta Detroit 19 Mich
Industrial Steel Tank & Body Works Inc 2533 Fourth St Berkeley 10 Calif
NAPCO INDUSTRIES INC Napco Axle Div 7th & Lyndale Minneapolis 11 Minn
Pollock Industries Inc S Keim St Pottstown Pa
Prior Products Inc 4828 Racell St Dallas 17 Tex
Ravens Metal Products Inc 1300 Market St Parkersburg W Va
ROCKWELL-STANDARD CORP Transmission & Axle Div 100 Clark Ave Detroit 32 Mich
SHULER AXLE CO 2901 S Second St Louisville 8 Ky
Spencer-Safford Loadcraft Inc Augusta Kans
Springfield Body & Trailer Co 1631 College St Springfield Ohio
Standard Carriage Works Inc 4120 Bandini Blvd Los Angeles 23 Calif
Standard Forge & Axle Co P O Box 309 Montgomery 2 Ala
Trucktor Corp P O Box 1137 Mountainside N J

AXLE ALIGNING GAGES—See Alignment Equipment

AXLE BELT DRIVE ADAPTERS (Rubber Band Drive)

DAYCO Corp Rubber Products Div 2001 N Janice Ave Melrose Park Ill
Dayton Tandem Mfg Co Box 2671 Denver Colo
Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn
F A B Mfg Co 1249 67th St Oakland 8 Calif
GATES RUBBER CO 999 S Broadway Denver 17 Colo
HENDRICKSON MFG CO 8001 W 47th St Lyons Ill (Chicago suburb)
Silent Drive Inc 1213 Dace St Sioux City Iowa
THERMOID DIV Porter Co H K 200 Whitehead Rd Trenton 6 N J

AXLE DOLLIES (To Convert Semi-Trailer to Full Trailer)

BROWN TRAILER DIV Clark Equipment Co Box 410 Michigan City Ind
Highway Trailer Industries Inc 250 Park Ave New York N Y
Hobbs Trailer Div Fruehauf Trailer Co 609 N Main St Ft Worth 1 Tex
Industrial Steel Tank & Body Works Inc 2533 Fourth St Berkeley 10 Calif
PARTS SPECIALTIES CO 5984 Lincoln St Detroit Mich
Spencer-Safford Loadcraft Inc Augusta Kans
TEC Div Heil Co 1285 W 70th St Cleveland 2 Ohio
Timpte Bros Inc 5900 N Washington St Denver Colo

AXLE REPAIR STANDS—See Stands

AXLE RING GEARS & PINIONS

Clark Equipment Co Transmission Div 1300 Falahee Rd Jackson Mich
DANA CORP Standard Equipment Div 4100 Bennett Rd Toledo 1 Ohio
DETROIT AUTOMOTIVE PRODUCTS CORP 8707 Grinnell Ave Detroit 13 Mich
Eaton Mfg Co Automotive Gear Div S Eighth & O Sts Richmond Ind
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
New Process Gear Div Chrysler Corp 6600 Chrysler Dr E Syracuse N Y
Perfection Gear Co 152nd St & Vincennes Ave Harvey Ill
Republic Gear Co 20200 E Nine Mile Rd St Clair Shores Mich
ROCKWELL-STANDARD CORP Transmission & Axle Div 100-400 Clark Ave Detroit 32 Mich
Warner Automotive Div Borg-Warner Corp Auburn Ind

AXLE SHAFTS

Dittmer Gear Div Borg-Warner Corp Auburn Ind
EATON MFG CO Axle Div 739 E 140th St Cleveland 10 Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
PAGE & PAGE CO 0605 S W Curry St Portland 1 Ore
ROCKWELL-STANDARD CORP Transmission & Axle Div 100-400 Clark Ave Detroit 32 Mich
U S AXLE CO Water St Pottstown Pa

REMEMBER: Vehicle makers offer parts and components for their own vehicles. Generally it is not possible to list them under all the product headings involved. Also many makers have a line of reconditioned (by qualified local rebuilders) parts and components, and some supply parts and components for other makers' vehicles. Vehicle makers who have a separately named division for handling parts and components are listed under the heading "Replacement Parts". Otherwise the address is as shown under the appropriate vehicle heading. For example, "Trucks" or "Trailers".

AXLE SHAFT PULLERS—See Pullers, Axle Shaft
AXLE SHIMS—See Shims, Caster & Camber
AXLE STRAIGHTENERS—See Alignment Equipment

AXLE SUSPENSION UNITS, Trailer

Andrews Industries Inc 7901 Alabama Ave St Louis 11 Mo
Auto Transport Mfg Co P O Box 10 Malaga Calif
BARTLETT TRAILER CORP 3080 Archer Ave Chicago 8 Ill
Binkley Co Warrenton Mo
Brimco Mfg Co 1220 S Industrial Rd Salt Lake City Utah
BROWN TRAILER DIV Clark Equipment Co Box 410 Michigan City Ind
CLARK EQUIPMENT CO Automotive Div Buchanan 3 Mich
Copco Steel & Engrg Co 14035 Grand River Detroit 27 Mich
DAYTON STEEL FOUNDRY P O Box 1022 1366 Miami Chapel Rd Dayton 1 Ohio
DETROIT AUTOMOTIVE PRODUCTS CORP 8707 Grinnell Ave Detroit 13 Mich
EATON MFG CO Axle Div 739 E 140th St Cleveland 10 Ohio
F A B Mfg Co 1249 67th St Oakland 8 Calif
FRUEHAUF TRAILER CO 10940 Harper Ave Detroit 32 Mich
Great Dane Trailers Inc P O Box 1159 Savannah Ga
HENDRICKSON MFG CO 8001 W 47th St Lyons Ill
Highway Trailer Industries Inc 250 Park Ave New York N Y
Hobbs Trailer Div Fruehauf Trailer Co 609 N Main St Ft Worth 1 Tex
Hutchens & Son Metal Products Inc 2332 E Division St Rd Springfield Mo
Industrial Steel Tank & Body Works Inc 2533 Fourth St Berkeley 10 Calif
Kenworth Motor Truck Co 8801 E Marginal Way Seattle 8 Wash
NEWAY EQUIPMENT CO P O Box 425 Muskegon Mich
PAGE & PAGE CO 1605 S W Curry St Portland 1 Ore
Prior Products Inc 4828 Racell St Dallas 17 Tex
Ravens Metal Products Inc 1300 Market St Parkersburg W Va
REYNOLDS MFG CO Landem Div 600 N Prospect Ave Springfield 2 Mo
ROCKWELL-STANDARD CORP Transmission & Axle Div 100 Clark Ave Detroit 32 Mich
Spencer-Safford Loadcraft Inc Augusta Kans
Standard Forge & Axle Co P O Box 309 Montgomery 2 Ala
TEC Div Heil Co 1285 W 70th St Cleveland 2 Ohio
TRAILMOBILE INC 31st & Robertson Ave Cincinnati 9 Ohio
Trans-Equipment Corp 4160 W Broad St Columbus 4, Ohio
Truck Equipment Co 1791 Fillmore Ave Buffalo 14 N Y
Trucktor Corp P O Box 1137 Mountainside N J

AXLE SUSPENSION UNITS, Trailer—continued

Western Unit Corp 17747 E Railroad St City of Industry Calif
Youngstown Steel Car Corp P O Box 900 Youngstown 1 Ohio

AXLE UNITS, Third

DAYTON STEEL FOUNDRY P O Box 1022 Miami Chapel Rd Dayton 1 Ohio
DETROIT AUTOMOTIVE PRODUCTS CORP 8707 Grinnell Ave Detroit 13 Mich
F A B Mfg Co 1249 67th St Oakland 8 Calif
FRUEHAUF TRAILER CO 10940 Harper Ave Detroit 32 Mich
HENDRICKSON MFG CO 8001 W 47th St Lyons Ill (Chicago suburb)
Hobbs Trailer Div Fruehauf Trailer Co 609 N Main St Ft Worth 1 Tex
Hutchens & Son Metal Products Inc 2332 E Division St Rd Springfield Mo
NEWAY EQUIPMENT CO P O Box 425 Muskegon Mich
PAGE & PAGE CO 0605 S W Curry St Portland 1 Ore
REYNOLDS MFG CO Landem Div 600 N Prospect Ave Springfield 2 Mo
TEC Div Heil Co 1285 W 70th St Cleveland 2 Ohio
TRAILMOBILE INC 31st & Robertson Ave Cincinnati 9 Ohio
Truck Equipment Co 1791 Fillmore Ave Buffalo 14 N Y
Trucktor Corp P O Box 1137 Mountainside N J
Weber Trailer & Mfg Co 8400 E Slauson Ave Pico-Rivera Calif

BALANCERS, CRANKSHAFT—See Crankshaft Balancing Machines
BALANCERS, WHEEL—See Wheel Balancing Machines
BARS, BORING—See Boring Bars
BARS, TOWING—See Towing Bars

BATTERIES

BATTERIES, Storage

AUTOLITE DIV Ford Motor Co P O Box 2338 Dearborn Mich
Automatic Battery Co of America 132 S Center St P O Box 224 Goldsboro N C
DELCO REMY DIV General Motors Corp Anderson Ind
ELECTRIC AUTOLITE CO THE (PRESTOLITE) Toledo 1 Ohio
EXIDE AUTOMOTIVE DIV Electric Storage Battery Co P O Box 6266 Cleveland 1 Ohio
FIRESTONE TIRE & RUBBER CO 1200 Firestone Pkwy Akron 17 Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
General Battery & Ceramic Corp Reading Pa
General Tire & Rubber Co Industrial Products Div Wabash Ind
Globe Battery Div Globe-Union Inc 900 E Keefe Ave Milwaukee 1 Wis
GOODYEAR TIRE & RUBBER CO 1144 E Market St Akron 16 Ohio
GOULD NATIONAL BATTERIES INC First Nat'l Bank Bldg St Paul 1 Minn
GULF OIL CORP P O Box 2140 Houston 2 Tex
KELLY-SPRINGFIELD TIRE CO P O Box 300 Cumberland Md
LEE RUBBER & TIRE CORP Conshohocken Pa
MOBIL OIL CO 150 E 42nd St New York 17 N Y
Montgomery-Ward & Co Chicago Ave & Larrabee Chicago Ill
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Pennsylvania Tire Co P O Box 337 Mansfield Ohio
Price Battery Corp Grand St Hamburg Pa
Scranton Cellomatic Battery Co Delaware St Archbald Pa
SEARS ROEBUCK & CO Arthington & Homan Aves Chicago Ill
Seiberling Rubber Co 345 Fifteenth St N W Akron 9 Ohio
UNION CARBIDE CONSUMER PRODUCTS CO Div Union Carbide Corp 270 Park Ave New York 17 N Y
UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich
UNITED STATES RUBBER CO Rockefeller Center 1230 Ave of the Americas New York 20 N Y
WHITE MOTOR CO 842 E 79th St Cleveland 1 Ohio
WILLARD STORAGE BATTERY DIV Electric Storage Battery Co P O Box 6266 Cleveland 1 Ohio

BATTERY CABLE

Accurate Products Inc 135 N Spring St Indianapolis Ind
AUTOLITE DIV Ford Motor Co P O Box 2338 Dearborn Mich
BELDEN MFG CO 415 S Kilpatrick St Chicago 80 Ill
Borroughs Mfg Co 3002 N Burdick St Kalamazoo Mich
Bowes "Seal Fast" Corp 5902 E 34th St Indianapolis 18 Ind
Crescent Co Inc 20 Central Ave Pawtucket R I
EXIDE AUTOMOTIVE DIV Electric Storage Battery Co P O Box 6266 Cleveland 1 Ohio
FIRESTONE TIRE & RUBBER CO 1200 Firestone Pkwy Akron 17 Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Fox Products Co 4720 N 18th St Philadelphia 41 Pa
GOULD-NATIONAL BATTERIES INC First Nat'l Bank Bldg St Paul 1 Minn
MARQUETTE MFG CO Div Marquette Corp 307 E Hennepin Ave Minneapolis 14 Minn
PACKARD ELECTRIC DIV General Motors Corp Dana St Warren Ohio
Preferred Electric & Wire Co Bush Terminal Bldg #8 Brooklyn 32 N Y
STANDARD MOTOR PRODUCTS INC 37-08 Northern Blvd Long Island City N Y
TRIPLE-A SPECIALTY CO 2835 N Western Ave Chicago 18 Ill
Walker Bros River & End Sts Conshohocken Pa
Whitaker Cable Corp 1301-15 Burlington Ave North Kansas City 16 Mo
WILLARD STORAGE BATTERY DIV Electric Storage Battery Co P O Box 6266 Cleveland 1 Ohio

BATTERY CHARGERS

Allen Electric & Equipment Co 2101-17 N Pitcher St Kalamazoo 13 Mich
Associated Equipment Corp 5170 San Francisco Ave St Louis 15 Mo
Baldor Electric Co 4351-9 Duncan Ave St Louis 10 Mo
EXIDE AUTOMOTIVE DIV Electric Storage Battery Co P O Box 6266 Cleveland 1 Ohio
Fox Products Co 4720 N 18th St Philadelphia 4 Pa
Heyer Industries Inc 500 Cortland St Belleville 9 N J
Hobart Bros Co Hobart Sq Troy 1 Ohio
King Electric Equipment Co 9123 Inman Ave Cleveland 5 Ohio
MARQUETTE MFG CO 307 E Hennepin Ave Minneapolis 14 Minn
Smith Corp A O P O Box 584 Milwaukee 1 Wis
SNAP-ON TOOLS CORP 8066-G 28th Ave Kenosha Wis
Sun Electric Corp Harlem & Avondale Sts Chicago 31 Ill
TRIPLE-A SPECIALTY CO 2835 N Western Ave Chicago 18 Ill
Westinghouse Electric Corp 3 Gateway Center P O Box 2278 Pittsburgh 3 Pa
WILLARD STORAGE BATTERY DIV Electric Storage Battery Co P O Box 6256 Cleveland 1 Ohio

BATTERY HOLD-DOWN CLAMPS

Accurate Products Inc 135 N Spring St Indianapolis Ind
BISHMAN MFG CO Rte #2 Osseo 26 Minn
Champ-Items Inc 6191 Maple Ave St Louis 30 Mo
Crescent Co Inc 20 Central Ave Pawtucket R I
DIETZ CO R E 225 Wilkinson St Syracuse 1 N Y
Fox Products Co 4270 N 18th St Philadelphia 41 Pa
Kravex Mfg Corp 634 Prospect Place Brooklyn N Y
LAMSON & SESSIONS CO 5000 Tiedeman Rd Cleveland 9 Ohio
STANDARD MOTOR PRODUCTS INC 37-08 Northern Blvd Long Island City N Y
TRIPLE-A SPECIALTY CO 2835 N Western Ave Chicago 18 Ill
Whitaker Cable Corp 1301-15 Burlington Ave North Kansas City 16 Mo
WOHLERT CORP 708 E Grand River Ave Lansing Mich

BATTERY HYDROMETERS—See Hydrometers

BATTERY TESTERS (Electrical)

(See also Hydrometers)

Associated Equipment Corp 5170 San Francisco Ave St Louis 15 Mo

Baldor Electric Co 4351-9 Duncan Ave St Louis 10 Mo
Continental Bearings Corp 2515 Wabash Ave Chicago 16 Ill
EXIDE AUTOMOTIVE DIV Electric Storage Battery Co P O Box 6266 Cleveland 1 Ohio
Fox Products Co 4720 N 18th St Philadelphia 41 Pa
Heyer Industries Inc 500 Cortland St Belleville 9 N J
Imperial Brass Mfg Co 6300 W Howard St Chicago 48 Ill
KEN-TOOL MFG CO 768 E North St Akron 5 Ohio
King Electric Equipment Co 9123 Inman Ave Cleveland 5 Ohio
MARQUETTE MFG CO Div Marquette Corp 307 E Hennepin Ave Minneapolis 14 Minn
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Sun Electric Corp Harlem & Avondale Sts Chicago 31 Ill
TRIPLE-A SPECIALTY CO 2835 N Western Ave Chicago 18 Ill
WEIDENHOFF CORP Hwy # 18 Algona Iowa
Wilson K R Arcade N Y
WILLARD STORAGE BATTERY DIV Electric Storage Battery Co P O Box 6266 Cleveland I Ohio

BATTERY TOOLS—See Tools, Hand

BEARINGS

BEARINGS, Ball

BEARINGS CO OF AMERICA DIV Federal-Mogul-Bower Bearings Inc 501 Harrisburg Ave Lancaster Pa
Burgess-Norton Mfg Co 737 Peyton St Geneva Ill
Fafnir Bearing Co 37 Booth St New Britain Conn
Federal Bearings Co 17 Fairview Ave Poughkeepsie N Y
FEDERAL-MOGUL SERVICE DIV Federal-Mogul-Bower Bearings Inc 11031 Shoemaker Rd Detroit 13 Mich
Hoover Ball & Bearing Co Ann Arbor Mich
New Departure Div General Motors Corp 269 N Main St Bristol Conn
Nice Ball Bearing Co 30th St & Hunting Park Ave Philadelphia 40 Pa
Norma-Hoffman Bearings Corp Hamilton Ave Stamford Conn
SKF INDUSTRIES INC Front St & Erie Ave Philadelphia 32 Pa
Transit Parts Co 35700 Vine St Willoughby Ohio
UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich

BEARINGS, CLUTCH THROWOUT —Clutch throwout bearings

BEARINGS, Crankshaft & Camshaft

Allison Div General Motors Corp P O Box 894 Indianapolis 6 Ind
ALUMINUM INDUSTRIES INC 3670 Werk Rd Cincinnati 11 Ohio
Cleveland Graphite Bronze Div Clevite Service 17000 St Clair Ave Cleveland 10 Ohio
CLEVITE SERVICE DIV Clevite Corp 6545 Carnegie Ave Cleveland 3 Ohio
DELCO MORAINE DIV General Motors Corp 1420 Wisconsin Blvd Dayton 1 Ohio
DETROIT ALUMINUM & BRASS CORP 3975 Christopher Ave Detroit 11 Mich
Dura-Bond Bearing Co 3201 Ash St Palo Alto Calif
FEDERAL-MOGUL SERVICE DIV Federal-Mogul-Bower Bearings Inc 11031 Shoemaker Rd Detroit 13 Mich
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Johnson Bronze Co 510 S Mill St New Castle Pa
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Shepard-Thomason Co 2023 W Gage Ave Los Angeles 47 Calif
THOMPSON PRODUCTS REPLACEMENT DIV Thompson-Ramo-Wooldridge Inc 6402 Cedar Rd Cleveland 3 Ohio
Transit Parts Co 35700 Vine St Willoughby Ohio

BEARINGS, Roller

BOWER ROLLER BEARING DIV Federal-Mogul-Bower Bearings Inc 3040 Hart Ave Detroit 13 Mich
FEDERAL-MOGUL SERVICE DIV Federal-Mogul-Bower Bearings Inc 11031 Shoemaker Rd Detroit 13 Mich
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Hoover Ball & Bearing Co Ann Arbor Mich
Hyatt Bearings Div General Motors Corp Middlesex St Harrison N J
MOPART PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Norma-Hoffman Bearings Corp Hamilton Ave Stamford Conn
Roller Bearing Co of America Sullivan Way West Trenton N J
SKF INDUSTRIES INC Front St & Erie Ave Philadelphia 32 Pa
TIMKEN ROLLER BEARING CO 1835 Deuber Ave S W Canton 6 Ohio
TYSON BEARING CO DIV SKF Industries Inc 1339 Duncan St S W Massillon Ohio
UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich

BEARING ALIGN BORERS

Ammco Tools Inc 2100 Commonwealth Ave North Chicago Ill
Cedar Rapids Engineering Co 902 17th St N E Cedar Rapids Iowa
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Storm-Vulcan Inc 2225 Burbank St Dallas 35 Tex
Sunnen Products Co 7910 Manchester Ave St Louis 17 Mo
Tobin-Arp Mfg Co 6400 Penn Ave S Minneapolis 23 Minn
Winona Tool Mfg Co 1430 W Broadway Winona Minn

BEARING PACKERS

ALEMITE DIV Stewart-Warner Corp 1850 Diversey Pkwy Chicago 14 Ill
Bennett-Feragen 1408 Jerome St Niles Mich
GRAY CO INC 760 Graco Sq Minneapolis 13 Minn

BEARING PULLERS—See Pullers
BEARING REAMERS—See Reamers

BEARING WEAR TESTERS (Oil Leak Detectors)

Auto Test Inc 600 S Michigan Ave Chicago 5 Ill
Bennett-Feragen 1408 Jerome St Niles Mich
FEDERAL MOGUL SERVICE DIV Federal-Mogul-Bower Bearings Inc 11031 Shoemaker Rd Detroit 13 Mich
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo

BELT DRIVES FOR REAR AXLES See Axle Belt Drive Adapters (Rubber Band Drive)
BELTS, FAN—See Fan Belts
BELTS, SAFETY—See Seat Belts

BENCH GRINDERS

ALBERTSON & CO INC 2801 Floyd Blvd Sioux City 2 Iowa
Baldor Electric Co 4351-9 Duncan Ave St Louis 10 Mo
BLACK & DECKER MFG CO 629 Pennsylvania Ave Towson 4 Md
Millers Falls Co 57 Wells St Greenfield Mass
Porter-Cable Machine Co 700 Marcelles St Syracuse 4 N Y
Skil Corp 5033 Elston Ave Chicago 30 Ill
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
South Bend Lathe Inc 425 E Madison St South Bend 22 Ind
Stanley Electric Tools Div Stanley Works 480 Myrtle Ave New Britain Conn
Thor Power Tool Co 175 N State St Aurora Ill

BENCH LATHES—See Lathes, Bench
BENDERS, TUBE—See Tubing Benders

BINS, Parts Storage

Alan Wood Steel Co Ivy Rock Rd Conshohocken Pa
Boroughs Mfg Co 3002 N Burdick St Kalamazoo Mich
Equipto Div Aurora Equipment Co Prairie St at Cleveland Ave Aurora Ill
Frick-Gallagher Mfg Co 200-300 W Second St Wellston Ohio
Lyon Metal Products Inc 609 Monroe Ave Aurora Ill
Republic Steel Corp Berger Mfg Div 1038 Belden Ave N E Canton 5 Ohio

BLEEDERS, HYDRAULIC—See Brake Bleeders

Light-duty pickups — V-8's and 6's

METRO-MITE®—up to 1000 lbs. payload

Standard METRO® for

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School bus chassis for safety, dependability

Conventional heavy-duty

Compact-design highway haulers

Tilt-cab accessibility for many jobs

Cab-over-engine

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The 17 truck models you see here represent the famous INTERNATIONAL line – most complete line of motor trucks in the world.

These INTERNATIONAL models are the basis for thousands of specific variations, designed to solve every conceivable kind of transport problem . . . to give you the *right* truck for the job!

From the compact SCOUT to over-the-highway truck-tractors that move gross loads of 127,000 lbs., International Harvester builds them for every general use, as well as any special application you have.

To help keep these quality trucks on the road, making money for their employers, IH has developed America's largest network of factory branches, dealers and parts depots . . . to provide efficient, *quality* service in a hurry.

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multi-stop operations

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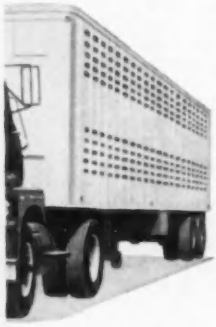
Medium-duty trucks for many jobs

standard of the road

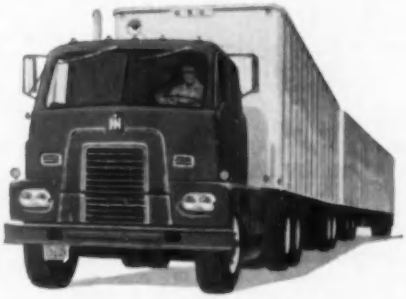
Famous V-8's in 4- and 6-wheel models

For roughest off-highway assignments



48-inch cab

New conventional heavy-duty models



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THE TRAVELALL® is a full-week worker with style and comfort.

THE SCOUT® for work or play. It can be a pickup, a convertible, an open air runabout.

INTERNATIONAL® TRUCKS

WORLD'S MOST COMPLETE LINE

BODIES

BODIES, Commercial

Alf-Herman Body Co 4400 Clayton Ave St Louis 10 Mo
Allegheny Body Co 1633 N 6th St Philadelphia 22 Pa
Aluminum Body Corp 1600 W Washington Blvd Montebello Calif
American Body & Equipment Co 2000 Guinotte Ave Kansas City 20 Mo
American Body & Trailer Inc P O Box 1150 Oklahoma City 1 Okla
American Truck Body Co Martinsville Va
Andrews Industries Inc 7901 Alabama Ave St Louis 11 Mo
Astoria Body Corp Astoria Ill
Badger Body Mfg Co 2719 Cuming St Omaha Neb
Baker Trailer & Body Co 700 N 20th St St Louis 3 Mo
Barry & Baily Co 2419 N 27th St Philadelphia 32 Pa
BARTLETT TRAILER CORP 3080 Archer Ave Chicago 8 Ill
Batavia Body Co 5 W Wilson St Batavia Ill
Baughman Mfg Co 302 Shipman Rd Jerseyville Ill
Bean Div FMC Corp 1305 S Cedar St Lansing 4 Mich
Belgrade Wagon Works 3740 E Thompson St Philadelphia 37, Pa
Body Builders Inc 1445 16th St Huntington 1 W Va
BOYERTOWN AUTO BODY WORKS INC Third & Walnut Sts Boyertown Pa
BROWN TRAILER DIV Clark Equipment Co Box 410 Michigan City Ind
Brown Truck & Trailer Mfg Co P O Box 1281 Morris Field Charlotte 1 N C
Brunswick Body Works U S Rte #1 New Brunswick N J
C & C Trailer & Body Co 300 San Leandre Blvd San Leandro Calif
Cato Trailer Service Co Whitehorse Rd Greenville S C
Chain Belt Co 4733 W Greenfield Ave Milwaukee 1 Wis
Checker Motors Corp 2016 N Pitcher St Kalamazoo Mich
CLARK EQUIPMENT CO Automotive Div Buchanan Mich
Cliffside Body Corp 230-40 Laird Ave Cliffside Park N J
Commercial Body Co By-Pass 291-North Greenville S C
Cook Body Co 2433 Wilkinson Blvd Charlotte 8 N C
Copco Steel & Engrg Co 14035 Grand River Detroit 27 Mich
De Hart & Son H A Crown Pt Rd Thorofare N J
DeKalb Commercial Body Co W 229 Garden St DeKalb Ill
DIVCO WAYNE CORP Wayne Works Div 1500-1700 N "F" St Richmond Ind
DORSEY TRAILERS INC Elba Ala
Elder Trailer & Body Inc 4830 Race St Denver 16 Colo
Evans Mfg Co John 3 Miles So Hwy 15A Sumter S C
Felburn-Kingham Div 1409 W Hill St Louisville Ky
Fox Body Co 1111 W Racine St Janesville Wis
Franklin Body & Equipment Corp 1042 Dean St Brooklyn N Y
FRUEHAUF TRAILER CO 10940 Harper Ave Detroit 32 Mich
Gar Wood Industries Inc Wayne Mich
General Body Mfg Co 713-21 W Pennway St Kansas City Mo
Gertenslager Co Wooster Ohio
Gindy Mfg Co Boot Rd & Chestnut St Downingtown Pa
Great Dane Trailers Inc P O Box 1159 Savannah Ga
Hackney Bros Body Co Herring Ave Box 856 Wilson N C
Hackney & Sons J A 400 Hackney Ave Washington D C
Harrisburg Truck Body Co Sheely Lane & P R R Mechanicsburg Pa
Heil Co The 3042 W Montana St Milwaukee Wis
Hercules Galion Products Inc Sherman St Galion Ohio
Hewitt-Lucas Body Co Inc 1117 N Broadway St Louis 2 Mo
Highway Trailer Industries Inc 250 Park Ave New York N Y
Hobbs Trailer Div Fruehauf Trailer Co 609 N Main St Ft Worth 1 Tex
Industrial Steel Tank & Body Works Inc 2533 Fourth St Berkeley 10 Calif
Kensington Wagon Works 2756 Frankford Ave Philadelphia 34 Pa
Kentucky Mfg Co 2601 Third St Louisville 8 Ky
Ketter Truck Bodies Third & Ellison Ave Ironton Ohio
Keystone Trailer & Equipment Co 1501 Guinotte Ave Kansas City 1 Mo
Keystone Wagon Works Inc C St & Allegheny Ave Philadelphia 34 Pa
Klein Body Co 3280 W 25th St Cleveland 9 Ohio
Koenig Iron Works Inc P O Box 7726 Houston 10 Tex
Lacey & Sons W F 50 Mystic Ave Medford 55 Mass
Lindsay Structure Inc 5000 W Dempster St Skokie Ill
LYNCOACH & TRUCK CO INC 443 Chestnut St Oneonta N Y
McCabe-Powers Auto Body Co 5900 N Broadway St Louis 15 Mo
Maday Body & Equipment Corp 38-48 A St Buffalo 11 N Y
Marion Body Works Marion Wis
Meeks Sons S J 622 G St N W Washington D C
Metropolitan Body Co The 151 Kossuth St Bridgeport Conn
Midwest Body & Mfg Div Electrographic Corp S Central St Paris Ill
Miller Trailers Inc 333 Sixth Ave W Bradenton Fla
Montpelier Mfg Co Montpelier Ohio
Morrison Steel Products Inc 601 Amherst St Buffalo 7 N Y
Morse Body Mfg Co Inc 69 Howard St Watertown 72 Mass
Morysville Body Works Inc 813 S Reading Ave Boyertown Pa
Murphy Body Works Inc Wilson N C
Nabers Trailer Div Alf-Herman Corp Mansfield La
New Haven Carriage & Auto Works 1105 S E Main St Portland 14 Ore
Ohio Body Mfg Co New London Ohio
Olson Corp J B E 1740 Broadway New York 19 N Y
PAGE & PAGE CO 0605 S W Curry St Portland 1 Ore
Penn Body Div Hockensmith Corp 1946 Penn St Penn Pa
Pierce Auto Body Works Inc 315 S Pierce Ave Appleton Wis
Premier Mfg Co Inc 5730 Northwestern Ave Indianapolis 8 Ind
Providence Body Co 750 Wellington Ave Cranston R I
Reliance Trailer & Truck Co Inc 2765 16th St San Francisco 3 Calif
Schnabel Co The 10th & Muriel Sts Pittsburgh 3 Pa
Soffe & Son Morris 170 W Berks St Philadelphia 22 Pa
Southern Coach & Body Co Evergreen Ala
Standard Auto Body Co 4900 S Soto St Los Angeles 58 Calif
Standard Carriage Works Inc 4120 Bandini Blvd Los Angeles 23 Calif
Strick Trailers Div Fruehauf Trailer Co 225 Lincoln Hwy Fairless Hills Pa
SUPERIOR COACH CORP E Kibby St & D T I RR Lima Ohio
Superior Truck & Body Co 4175 Mission St San Francisco 12 Calif
Swab Wagon Co 21 S Callowhill St Elizabethville Pa
TEC Div Heil Co 1285 W 70th St Cleveland 2 Ohio
Theurer Wagon Works Inc 601 W 56th St New York 19 N Y
Thompson Trailer Corp 2 Old Court Rd Pilesville Md
Timpte Bros Inc 5900 N Washington St Denver Colo
Trailco Mfg & Sales Co Mill St Hummels Wharf Pa
Truck Equipment Co 1791 Fillmore Ave Buffalo 14 N Y
Union City Body Co W Pearl St Union City Ind
Unisteel Body Co Div Hercules Galion Products Inc 605 S Market St Galion Ohio
UTILITY TRAILER MFG CO P O Box F-1 City of Industry Calif
Wade & Dunton Inc 686 Main St Lewistown Maine
Warner Commercial Body Inc 8th & Carbon Sts Noblesville Ind
Weber Trailer & Mfg Co 8400 E Slauson Ave Pico-Rivera Calif
Wentworth & Irwin Inc 123 N E Oregon St Portland 14 Ore
Williamsen Body & Equipment Co 933 Wall Ave Ogden Utah
Yankee Motor Bodies Corp 1224 E Olympic St Los Angeles 2 Calif
York Hoover Corp Body Div Wheatfield St & M P RR York Pa
YOUNG SPRING & WIRE CORP Equipment Div 500 Lehmann Ave Bowling Green Ohio

BODIES, Concrete Mixer

Chain Belt Co 4733 W Greenfield Ave Milwaukee 1 Wis
Jaeger Machine Co 550 W Spring St Columbus 16 Ohio

BODIES, DUMP

(See also Trucks, Dump—Construction & Off Highway)

Anthony Co Streator Ill
Baughman Mfg Co Shipman Rd Jerseyville Ill
Body Builders Inc 1445 16th St Huntington 1 W Va
Dempster Bros Inc Box 3127 Knoxville Tenn
DIFFERENTIAL CO Box 238 Findlay Ohio
FONTAINE TRUCK EQUIPMENT CO INC 1232 N 37th Pl Birmingham 1 Ala

Galion Allsteel Body Co 605 S Market St Galion Ohio
Gar Wood Industries Inc Wayne Mich
Hercules Steel Products Co 500 Sherman St Galion Ohio
Hobbs Trailer Div Fruehauf Trailer Co 609 N Main St Ft Worth 1 Tex
Koenig Iron Works Inc P O Box 7726 Houston 10 Tex
Marion Metal Products Co Otis & Cheyney Ave Marion Ohio
Penn Body Div Hockensmith Corp 1946 Penn St Penn Pa
Perfection Steel Body Co S East St Galion Ohio
Providence Body Co 750 Wellington Ave Cranston R I
Schnabel Co The S 10th & Muriel Sts Pittsburgh 3 Pa
Sicard Industries Inc 753 W Main St Watertown N Y
Standard Auto Body Co 4900 S Soto St Los Angeles 58 Calif
Standard Carriage Works Inc 4120 Bandini Blvd Los Angeles 23 Calif
TEC Div Heil Co 1285 W 70th St Cleveland 2 Ohio
Timpte Bros Inc 5900 N Washington St Denver Colo
Truck Engineering Co 3200 E Pontiac St Ft Wayne 4 Ind
Truck Equipment Co 1791 Fillmore Ave Buffalo 14 N Y
Weston Dump Body Co 326 W 11th St Des Moines 9 Iowa
Williamson Body & Equipment Co 933 Wall Ave Ogden Utah
Woeber Auto Body & Mfg Co 4970 Jackson St Denver 16 Colo
YOUNG SPRING & WIRE CORP Equipment Div 500 Lehmann Ave Bowling Green Ohio

BODIES, Public Utility

Allegheny Body Co 1633 N 6th St Philadelphia 22 Pa
Baker Equipment Engrg Co Summit & Norfolk Sts Richmond 11 Va
Cook Body Co 2433 Wilkinson Blvd Charlotte 8 N C
Gar Wood Industries Inc Wayne Mich
Hackney Bros Body Co Herring Ave Box 856 Wilson N C
Highway Trailer Industries Inc 250 Park Ave New York N Y
Hobbs Trailer Div Fruehauf Trailer Co 609 N Main St Ft Worth 1 Tex
Holan Corp 4100 W 150th St Cleveland 35 Ohio
INTERNATIONAL HARVESTER CO 180 N Michigan Ave Chicago 1 Ill
Kiley Co James A 15 Linwood St Somerville Mass
Klein Body Co 3280 W 25th St Cleveland 9 Ohio
Koenig Iron Works Inc P O Box 7726 Houston 10 Tex
McCabe-Powers Auto Body Co 5900 N Broadway St Louis 15 Mo
MORRISON STEEL PRODUCTS INC 601 Amherst St Buffalo 7 N Y
Morysville Body Works Inc 812 S Reading Ave Boyertown Pa
Novelty Carriage Works Inc 815-17 Second Ave Spokane 4 Wash
Pierce Auto Body Works Inc 315 S Pierce Ave Appleton Wis
Stahl Metal Products Inc 4750 W 160th St Cleveland 35 Ohio
Standard Carriage Works Inc 4120 Bandini Blvd Los Angeles 23 Calif
Talbert Trailer Inc 7950 W 47th St Lyons Ill
Thompson Trailer Corp 2 Old Court Rd Pilesville Md
Truck Engrg Co 3200 E Pontiac St Fort Wayne 4 Ind
Warner Commercial Body Inc 8th & Carbon Sts Noblesville Ind
Williamsen Body & Equipment Co 933 Wall Ave Ogden Utah
Yankee Motor Bodies Corp 1224 E Olympic St Los Angeles 2 Calif
York-Hoover Corp Body Div Wheatfield St & M P RR York Pa

BODIES, TANK—See Tanks, Trailer & Truck Body
BODIES, WRECKER—See Wreckers

BODY HARDWARE

Aeroquip Corp General Logistics Div 2929 Floyd St Burbank Calif
Binkley Co Warrenton Mo
Consolidated Metal Products Inc P O Box 63 Highland Blvd Elkhart Ind
Detroit Hinge Mfg Co 1632 W Lafayette Detroit 16 Mich
DORMAN PRODUCTS INC 5757 Mariemont Ave Cincinnati 27 Ohio
EBERHARD MFG CO Div Eastern Co The Evarts Ave Cleveland 4 Ohio
HANSEN MFG CO A L 5037 Ravenswood Chicago 40 Ill
Hoof Co C M 2100 Greenleaf St Evanston Ill
Miner Inc W H 209 S LaSalle St Chicago Ill
Polar Hardware Mfg Co 3882 Lawrence Ave Chicago 25 Ill
Porter Co H K Forge & Fittings Div 3270 E 79th St Cleveland 4 Ohio
Standard Carriage Works Inc 4120 Bandini Blvd Los Angeles 23 Calif
Stanley Works Pressed Metal Div 195 Lake St New Britain Conn
Yale & Towne Mfg Co Yale Materials Handling Div 11000 Roosevelt Blvd Philadelphia 15 Pa

BODY HOISTS (For Dump Bodies)

Anthony Co Streator Ill
Cemco Industries Inc Galion Ohio
Galion Allsteel Body Co 605 S Market St Galion Ohio
Gar Wood Industries Inc Wayne Mich
Hobbs Trailer Div Fruehauf Trailer Co 609 N Main St Fort Worth 1 Tex
Marion Metal Products Co Otis & Cheyney Ave Marion Ohio
Ontario Equipment Inc Rt 66 & Grand St McCook Ill
Penn Body Div Hockensmith Corp 1946 Penn St Penn Pa

REMEMBER: Vehicle makers offer parts and components for their own vehicles. Generally it is not possible to list them under all the product headings involved. Also many makers have a line of reconditioned (by qualified local rebuilders) parts and components, and some supply parts and components for other makers' vehicles. Vehicle makers who have a separately named division for handling parts and components are listed under the heading "Replacement Parts". Otherwise the address is as shown under the appropriate vehicle heading. For example, "Trucks" or "Trailers".

Perfection Steel Body Co S East St Galion Ohio
Schwartz Mfg Co Lester Prairie Minn
Standard Carriage Works Inc 4120 Bandini Blvd Los Angeles 23 Calif
TEC Div Heil Co 1285 W 70th St Cleveland 2 Ohio
Timpte Bros Inc 5900 N Washington St Denver Colo
Truck Engrg Co 3200 E Pontiac St Ft Wayne 4 Ind
Weston Dump Body Co 326 W 11th St Des Moines 9 Iowa
YOUNG SPRING & WIRE CORP Equipment Div 500 Lehmann Ave Bowling Green Ohio

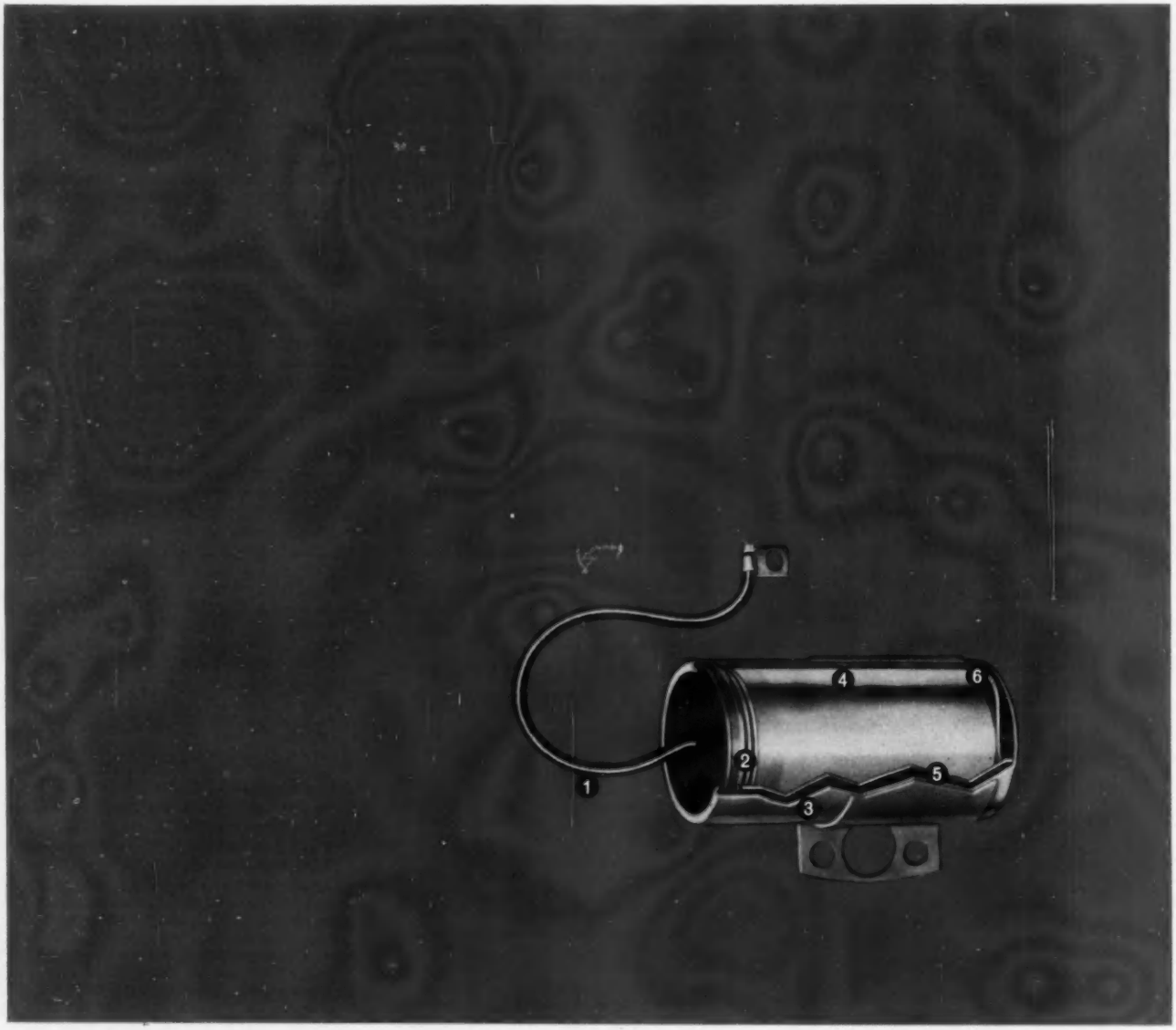
BODY PARTS, Pre-Shaped

(See also Body Hardware)

ALUMINUM CO OF AMERICA 1501 Alcoa Bldg Pittsburgh 19 Pa
Binkley Co Warrenton Mo
BUDD CO THE 2450 Hunting Park Ave Philadelphia 32 Pa
Carpenter Body Works Inc Mitchell Ind
Consolidated Metal Products P O Box 63 Elkhart Ind
D E K Mfg Co 420 E Pine St Orville Ohio
DANA CORP Standard Equipment Div 4100 Bennett Rd Toledo 1 Ohio
General Body Mfg Co 713-21 W Pennway Kansas City Mo
Holan Corp 4100 W 150th St Cleveland 35 Ohio
Hoof Co C M 2100 Greenleaf St Evanston Ill
Johns-Manville Textile Sales Section 1810 Madison Ave Toledo 1 Ohio (Plastic)
KINNEAR MFG CO 2100-20 Fields Ave Columbus 16 Ohio
Lindsay Structure Inc 5000 W Dempster St Skokie Ill
Met-L-Wood Corp 6755 W 65th St Chicago 38 Ill
Midwest Body & Mfg Div Electrographic Corp S Central St Paris Ill
Miner Inc W H 209 S LaSalle St Chicago 4 Ill
MOLDED FIBER GLASS BODY CO 4637 Benefit Ave Ashtabula Ohio
Nash Bros Co 2125 Dewey Ave Evanston Ill
PARISH PRESSED STEEL DIV Dana Corp P O Box 1422 Reading Pa
Phelan's Resins and Plastics Oak St & Bluff Rd Burlington Iowa
Porter Co H K Forge & Fittings Div 3270 79th St Cleveland 4 Ohio
REVERE COPPER & BRASS INC 230 Park Ave New York 17 N Y
Rex Metal Parts Co 1295 W 78th St Cleveland 2 Ohio
Seiberling Rubber Co Plastics Div Newcomerstown Ohio
Standard Carriage Works Inc 4120 Bandini Blvd Los Angeles 23 Calif
Williamsen Body & Equipment Co 933 Wall Ave Ogden Utah
Youngstown Steel Car Corp P O Box 900 Youngstown 1 Ohio

BODY REPAIR COMPOUNDS

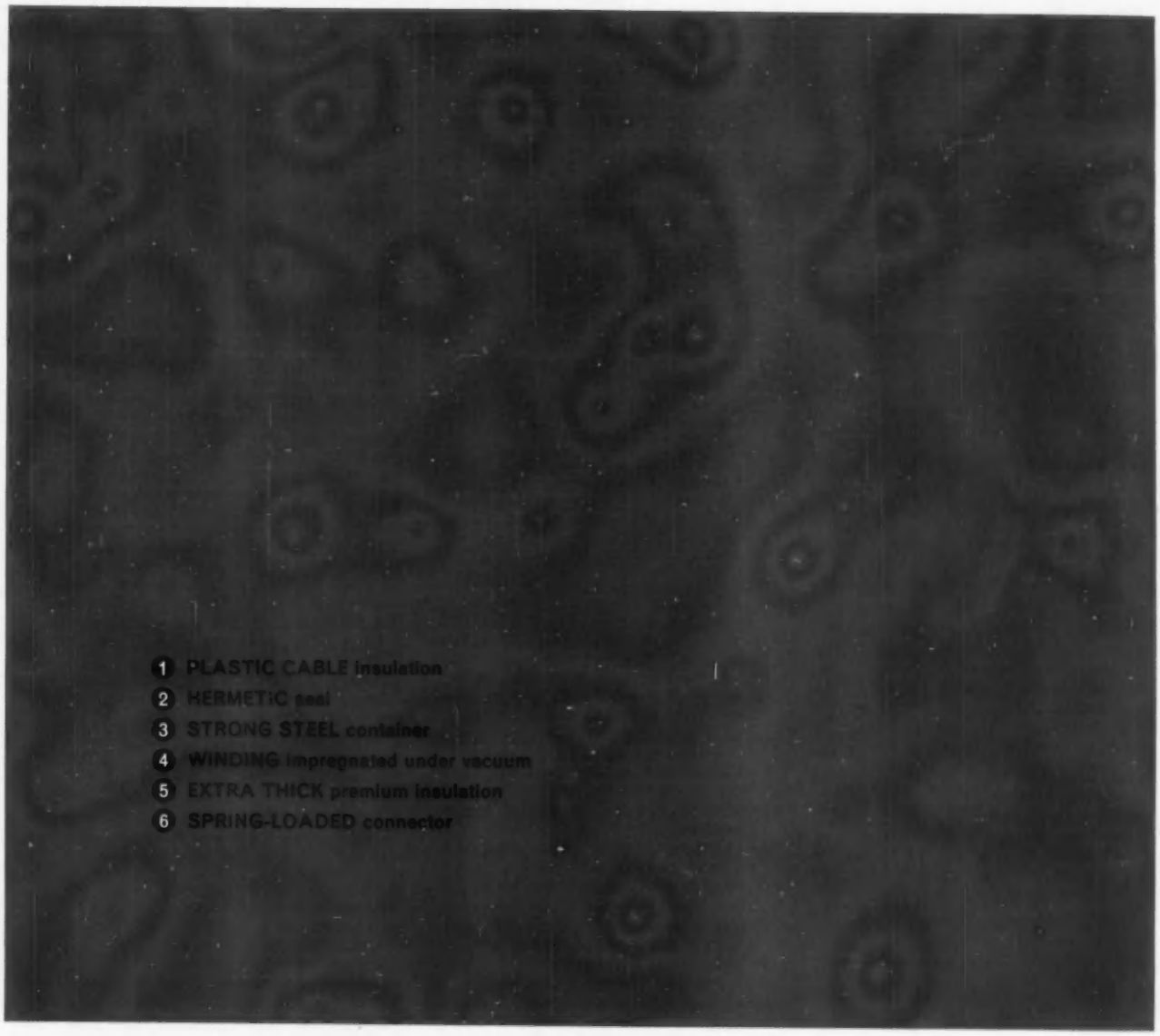
Arco Co Div of American-Marietta 7301 Bessemer Ave Cleveland 27 Ohio
BAIRD DYNAMIC CORP Plastics Div 1500 Stratford Ave Stratford Conn



WANT SYSTEM-BALANCED CONDENSERS THAT INCREASE POINT LIFE?

simply say Delco

It's the sure way to get the condenser that's best for your fleet vehicles—there's a Delco Remy condenser made for every popular American car and truck. Precision balanced to match the rest of the ignition system, Delco Remy condensers assure correct electrical capacity, provide maximum contact point life and resist voltage breakdown. A protective hermetic seal keeps out harmful moisture, oil and vapors. Spring-loaded internal electrical connections to winding are vibration-proof.



Delco Remy condensers, like all Delco Remy quality-built electrical system components, are available at leading car and truck dealers and through **United Delco.**

DELCO-REMY • Division of General Motors • Anderson, Indiana

BODY REPAIR COMPOUNDS—cont'd

Champion Bronze Power & Paint Co 2101 N Elston Ave Chicago 14 Ill
DITZLER COLOR DIV Pittsburgh Plate Glass Co 8000 W Chicago Ave Detroit 4 Mich
Fibre Glass Evercoat Co The 7220 Vine St Cincinnati 16 Ohio
Flintkote Co 30 Rockefeller Plaza New York 20 N Y
Galv-Weld Products Co P O Box 1303 Bradenton Fla
Gates Engineering Co 100 S West St Wilmington 99 Del
Hollingshead Corp R M 840 Cooper St Camden 2 N J
JOHNS-MANVILLE CORP 22 E 40th St New York 16 N Y
McKay Co 1005 Liberty Ave Pittsburgh 2 Pa
MAGNUS CHEMICAL CO INC 38 South Ave Garwood N J
Marson Corp 115 Mill St Revere 51 Mass
MARTIN-SENOUR CO 2500 Senour Ave Chicago 8 Ill
Minnesota Mining & Mfg Co 900 Bush Ave St Paul 6 Minn
Miracle Power Products Corp 1101 Beltline St Cleveland 9 Ohio
Monroe Co Inc 10703 Quebec Ave Cleveland 6 Ohio
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Permatex Co 300 Broadway Huntington Sta New York N Y
Ren Plastics Inc 5422 S Cedar Rd Lansing 9 Mich
SHERWIN-WILLIAMS CO Automotive Refinish Div 101 Prospect Ave N W Cleveland 1 Ohio
Turco Products Inc 24600 S Main St North Wilmington Calif

BODY TOOLS—See Tools, Body
BODY UNDERCOATINGS—See Undercoatings
BOOTHS, PAINT SPRAY—See Paint Spray Booths

BORING BARS (Cylinder)

Ammco Tools Inc 2100 Commonwealth Ave North Chicago Ill
Cedar Rapids Engineering Co 902 17th St N E Cedar Rapids Iowa
Ex-Cell-O Corp 1200 Oakman Blvd Detroit 32 Mich
Lempco Products Inc 5490 Dunham Rd Beford Ohio
Storm-Vulcan Inc 2225 Burbank St Dallas 35 Tex
Sundstrand Machine Tool Co Pneumatic Div 2531 11th St Rockford Ill
Sunnen Products Co 7910 Manchester Ave St Louis 17 Mo
VAN NORMAN INDUSTRIES INC 3640 Main St Springfield 7 Mass
Wilson K R Arcade N Y

BORING MACHINES—See Bearing Align Borers or Piston Pin Bushing Boring Machines

BRAKES

BRAKES, Air Systems & Parts

Aeroquip Corp General Logistics Div 2929 Floyd St Burbank Calif
AUTO SPECIALTIES MFG CO INC 643 Graves St St Joseph Mich
BENDIX PRODUCTS DIV Bendix Corp 401 N Bendix Dr South Bend 20 Ind
BENDIX WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO 901 Cleveland Rd Elyria Ohio
Berg Mfg & Sales Co 1712-14 S Michigan Ave Chicago 16 Ill
CUMMINS ENGINE CO 1000 Fifth St Columbus Ind
DELCO MORAINE DIV General Motors Corp 1420 Wisconsin Blvd Dayton 1 Ohio
EATON MFG CO Axle Div 739 E 140th St Cleveland 10 Ohio
Fawick Brake Div Fawick Corp 9921 Clinton Rd Cleveland 9 Ohio
George Mfg Co (Emergency Only) 10 W Harvey St Philadelphia 44 Pa
Hydro-Aire Div Crane Co 3000 Winona Ave Burbank Calif
Imperial Brass Mfg Co 6300 W Howard St Chicago 48 Ill
Industrial Steel Tank & Body Works Inc 2533 Fourth St Berkeley 10 Calif
KELSEY-HAYES CO 3600 Military Ave Detroit 32 Mich
Knowles Brake Co (Emergency Only) Huntington Valley Pa
M G M Brakes Inc Redwood Highway Cloverdale Calif
MAXIBRAKE INC 41 S DeLacey Ave Pasadena Calif
MIDLAND-ROSS CORP Owosso Div 490 S Chestnut St Owosso Mich
OVERLAND ANCHORLOK INC 5753 Joanne Place Culver City Calif
POWER BRAKE EQUIPMENT CO 1632 S E 11th Ave Portland 14 Ore
ROCKWELL - STANDARD CORP Brake Div P O Box 358 Ashtabula Ohio
Sealco Air Brakes Inc 13530 Nelson City of Industry Calif
Talco Engrg Co P O Box 847 Falcon Field Mesa Ariz
Transit Parts Co 35700 Vine St Willoughby Ohio
UNITED PARTS DIV Echlin Mfg Co 1250 W Van Buren St Chicago 7 Ill
Velvac Inc 3534 W Pierce St Milwaukee 15 Wis
WAGNER ELECTRIC CORP 6470 Plymouth Ave St Louis 33 Mo
WEATHERHEAD CO 300 E 131st St Cleveland 8 Ohio

BRAKES, Compression Exhaust

Fawick Brake Div Fawick Corp 9921 Clinton Rd Cleveland 9 Ohio
JACOBS MFG CO West Hartford 10 Conn
POWER BRAKE EQUIPMENT CO 1632 S E 11th Ave Portland 14 Ore

BRAKES, Electric

Warner Electric Brake & Clutch Co Beloit Wis

BRAKES, Foundation

American Chain & Cable Co Automotive & Aircraft Div 601 Stephenson Bldg Detroit 2 Mich
AUTO SPECIALTIES MFG CO INC 643 Graves St St Joseph Mich
BENDIX PRODUCTS DIV Bendix Corp 401 N Bendix Dr South Bend 20 Ind
Fawick Brake Div Fawick Corp 9921 Clinton Rd Cleveland 9 Ohio
KELSEY-HAYES CO 3600 Military Ave Detroit 32 Mich
ROCKWELL - STANDARD CORP Brake Div P O Box 358 Ashtabula Ohio
SHULER AXLE CO 2901 S Second St Louisville 8 Ky
WAGNER ELECTRIC CORP 6470 Plymouth Ave St Louis 33 Mo
Warner Gear Div Borg-Warner Corp 1106 E Seymour St Muncie Ind

BRAKES, Hydraulic Systems & Parts

AUTO SPECIALTIES MFG CO INC 643 Graves St St Joseph Mich
BENDIX PRODUCTS DIV Bendix Corp 401 N Bendix Dr South Bend 20 Ind
DELCO MORAINE DIV General Motors Corp 1420 Wisconsin Blvd Dayton 1 Ohio
DORMAN PRODUCTS INC 5757 Mariemont Ave Cincinnati 27 Ohio
EIS AUTOMOTIVE CORP N Main & High Sts Middletown Conn
Fawick Brake Div Fawick Corp 9921 Clinton Rd Cleveland 9 Ohio
KELSEY-HAYES CO 3600 Military Ave Detroit 32 Mich
Lisle Corp 809 E Main St Clarinda Iowa
M G M Brakes Inc Redwood Hwy Cloverdale Calif
Minnesota Automotive Inc 1101 N Front St Mankato Minn
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
ROCKWELL-STANDARD CORP Brake Div P O Box 358 Ashtabula Ohio
SIGNAL-STAT CORP 523-539 Kent Ave Brooklyn 11 N Y
THERMOID DIV Porter Co H K 200 Whitehead Rd Trenton 6 N J
WAGNER ELECTRIC CORP 6480 Plymouth Ave St Louis 33 Mo
WEATHERHEAD CO 300 E 131st St Cleveland 8 Ohio

BRAKES, Parking

American Chain & Cable Co Automotive & Aircraft Div 601 Stephenson Bldg Detroit 2 Mich
BENDIX PRODUCTS DIV Bendix Corp 401 N Bendix Dr South Bend 20 Ind
Berg Mfg & Sales Co 1712-14 S Michigan Ave Chicago 16 Ill
Fawick Brake Div Fawick Corp 9921 Clinton Rd Cleveland 9 Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
George Mfg Co 10 W Harvey St Philadelphia 44 Pa
Hydro-Aire Div Crane Co 3000 Winona Ave Burbank Calif
M G M Brakes Inc Redwood Hwy Cloverdale Calif

MAXIBRAKE INC 41 S DeLacey Ave Pasadena Calif

Minnesota Automotive Inc 1101 N Front St Mankato Minn

Orscheln Lever Sales Co 1177 N Morley St Moberly Mo

OVERLAND ANCHORLOK INC 5755 Joanne Place Culver City Calif

ROCKWELL - STANDARD CORP Brake Div P O Box 358 Ashtabula Ohio

Talco Engrg Co P O Box 847 Falcon Field Mesa Ariz

WAGNER ELECTRIC CORP 6470 Plymouth Ave St Louis 33 Mo

BRAKES, Vacuum System & Parts

Airtex Automotive Div Airtex Products Inc 407 W Main St Fairfield Ill

BENDIX PRODUCTS DIV Bendix Corp 401 N Bendix Dr South Bend 20 Ind

DELCO MORAINE DIV General Motors Corp 1420 Wisconsin Blvd Dayton 1 Ohio

EIS AUTOMOTIVE CORP N Main & High Sts Middletown Conn

Fawick Brake Div Fawick Corp 9921 Clinton Rd Cleveland 9 Ohio

FORD DIV Ford Motor Co P O Box 658 Dearborn Mich

GATES RUBBER CO 999 S Broadway Denver 17 Colo

KELSEY-HAYES CO 3600 Military Ave Detroit 32 Mich

MIDLAND-ROSS CORP Owosso Div 490 S Chestnut St Owosso Mich

MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich

POWER BRAKE EQUIPMENT CO 1632 S E 11th Ave Portland 14 Ore

THERMOID DIV Porter Co H K 200 Whitehead Rd Trenton 6 N J

Transit Parts Co 35700 Vine St Willoughby Ohio

Velvac Inc 3534 W Pierce St Milwaukee 15 Wis

BRAKE ADJUSTERS

Accurate Products Inc 135 N Spring St Indianapolis Ind

Ammco Tools Inc 2100 Commonwealth Ave North Chicago Ill

BARRETT EQUIPMENT CO 2101 Cass Ave St Louis 6 Mo

BENDIX PRODUCTS DIV Bendix Corp 401 N Bendix Dr South Bend 20 Ind

BENDIX WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO 901 Cleveland Rd Elyria Ohio

Brakemaster Corp 4603 W Roosevelt Rd Chicago 50 Ill

EIS AUTOMOTIVE CORP N Main & High Sts Middletown Conn

Fawick Brake Div Fawick Corp 9921 Clinton Rd Cleveland 9 Ohio

K-D MFG CO 526 N Plum St Lancaster Pa

KELSEY-HAYES CO 3600 Military Ave Detroit 32 Mich

Kent-Moore Organization Inc 28635 Mound Rd Warren Mich

OWATONNA TOOL CO 241 N Cedar St Owatonna Minn

Perfection Automotive Products Corp 925 W Elizabeth St Detroit 1 Mich

PROTO TOOLS CO Div Pendleton Tool Industries Inc 2209 Santa Fe Ave Los Angeles 54 Calif

SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis

Transit Parts Co 5700 Vine St Willoughby Ohio

BRAKE BLEEDERS, Hydraulic

Ammco Tools Inc 2100 Commonwealth Ave North Chicago Ill

BARRETT EQUIPMENT CO 2101 Cass Ave St Louis 6 Mo

Bennett-Feragen 1408 Jerome St Niles Mich

EIS AUTOMOTIVE CORP N Main & High Sts Middletown Conn

Fawick Brake Div Fawick Corp 9921 Clinton Rd Cleveland 9 Ohio

Kent-Moore Organization Inc 28635 Mound Rd Warren Mich

Niehoff & Co C E 4925 W Lawrence Ave Chicago 30 Ill

PROTO TOOLS CO Div Pendleton Tool Industries Inc 2209 Santa Fe Ave Los Angeles 54 Calif

RAYBESTOS DIV Raybestos-Manhattan Inc P O Box 1021 Bridgeport 2 Conn

Rinck-McIlwaine Inc 16 Hudson St New York 13 N Y

SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis

WAGNER ELECTRIC CORP 6470 Plymouth Ave St Louis 33 Mo

Wesley Mfg Co 1305 Russell Ave North Minneapolis Minn

BRAKE BLOCKS—See Brake Lining

BRAKE BOOSTERS, VACUUM—See Brake Vacuum Systems

BRAKE CABLE

American Chain & Cable Co Automotive & Aircraft Div 601 Stephenson Bldg Detroit 2 Mich

BENDIX PRODUCTS DIV Bendix Corp 401 N Bendix Dr South Bend 20 Ind

EIS AUTOMOTIVE CORP N Main & High Sts Middletown Conn

FORD DIV Ford Motor Co P O Box 658 Dearborn Mich

Lisle Corp 809 E Main St Clarinda Iowa

MIDLAND-ROSS CORP Owosso Div 490 S Chestnut St Owosso Mich

Miley Co L J 18 S Sangamon St Chicago 7 Ill

Orscheln Lever Sales Co 1177 N Morley St Moberly Mo

BRAKE CYLINDERS—See Brake Hydraulic Systems & Parts

BRAKE CYLINDER CLAMPS

BARRETT EQUIPMENT CO 2101 Cass Ave St Louis 6 Mo

EIS AUTOMOTIVE CORP N Main & High Sts Middletown Conn

K-D MFG CO 526 N Plum St Lancaster Pa

Perfection Automotive Products Corp 925 W Elizabeth St Detroit 1 Mich

SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis

UNITED PARTS DIV Echlin Mfg Co 1250 W Van Buren St Chicago 7 Ill

BRAKE DRUMS

Accurate Products Inc 135 N Spring St Indianapolis Ind

Al-Fin Div Fairchild Engine & Airplane Corp 375 Farmingdale Rd West Babylon Long Island N Y

BUDD CO THE 12141 E Charlevoix Ave Detroit 15 Mich

Campbell Wyant & Cannon Foundry Co Muskegon Mich

DAYTON STEEL FOUNDRY CO P O Box 1022 1366 Miami Chapel Rd Dayton 1 Ohio

ERIE WHEELS Div of Erie Malleable Iron Co 609 W 12th St Erie Pa

FORD DIV Ford Motor Co P O Box 658 Dearborn Mich

GUNITE FOUNDRIES Div Kelsey-Hayes 302 Peoples Ave Rockford Ill

KELSEY-HAYES CO 3600 Military Ave Detroit 32 Mich

MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich

MOTOR WHEEL CORP 723 E Saginaw St Lansing 3 Mich

REYNOLDS MFG CO Landem Div 600 N Prospect Ave Springfield 2 Mo

SHULER AXLE CO 2901 S Second St Louisville 8 Ky

BRAKE DRUM GAGES

Ammco Tools Inc 2100 Commonwealth Ave North Chicago Ill

BARRETT EQUIPMENT CO 2101 Cass Ave St Louis 6 Mo

JOHNS-MANVILLE CORP 22 E 40th St New York 16 N Y

Shepard-Thomason Co 2023 W Gage Ave Los Angeles 47 Calif

Star Machine & Tool Co 227 Sixth St N E Minneapolis 14 Minn

VAN NORMAN INDUSTRIES INC 3640 Main St Springfield 7 Mass

BRAKE DRUM LATHES

Ammco Tools Inc 2100 Commonwealth Ave North Chicago Ill

BARRETT EQUIPMENT CO 2101 Cass Ave St Louis 6 Mo

VAN NORMAN INDUSTRIES INC 3640 Main St Springfield 7 Mass

Lempco Products Inc 5490 Dunham Rd Bedford Ohio

Shepard-Thomason Co 2023 W Gage Ave Los Angeles 47 Calif

South Bend Lathe Inc 425 E Madison St South Bend 22 Ind

Star Machine & Tool Co 227 Sixth St S E Minneapolis 14 Minn

Sundstrand Machine Tool Co Pneumatic Div 2531 11th St Rockford Ill

BRAKE FLUID

Bowes "Seal Fast" Corp 5902 E 34th St Indianapolis 18 Ind

DELCO MORAINE DIV General Motors Corp 1420 Wisconsin Blvd Dayton 1 Ohio

DOW CHEMICAL CO Midland Mich

DU PONT DE NEMOURS & CO E I Finishes Div Chemical Specialties Sales Wilmington 98 Del

American's Al Thomas checks lubrication schedules with maintenance superintendent Harry Stewart. American products permitted up to 50% increase in the service periods for Bos Trucks.

BY A. J. "AL" THOMAS

About the Author. Al Thomas is one of American Oil's Commercial Representatives operating out of Des Moines, Iowa. A graduate of Iowa State University, with a degree in mechanical engineering, he has served customers since 1953. He completed the Company's Sales Engineering School (where he also instructed) in 1955.

* * *

Bos Lines, Inc., Marshalltown, Iowa, operates more than sixty over-the-road units throughout Iowa, Illinois, Missouri, Minnesota and Nebraska. For this service American Oil products and services rate tops with Bos Lines—and this is why:

Bos Lines recently eliminated some of its terminal offices and shops, consolidating them into an ultra-modern new headquarters in Marshalltown. This meant that the periods between truck servicings had to be lengthened, which could lead to great savings on maintenance. Bos management knew from experience that the oils and greases they were using couldn't stand up for the longer periods. And that's where AMERICAN came in.

Working with Bos Lines' maintenance and management people, we developed a new lubrication plan. Bos Lines liked the plan and selected American

TRUCKER EXTENDS LUBE PERIODS UP TO 50% —ENDS TERMINAL FUELING OPERATIONS— with AMERICAN products and service

Oil products specifically developed for this kind of service. As a result, Bos was able to effect great savings by lengthening lubrication periods up to 50%.

In addition, through taking advantage of the nation-wide Truck Stop Plan, Bos is able to end its terminal fueling operations. They thus eliminated costly equipment and storage facilities achieving further economies.

And that's why Bos Lines, Inc., likes American Oil products and service.

Bos Lines, Inc., uses these **AMERICAN** products

- AMERICAN® Gasoline
- AMERICAN® PREMIER® Diesel Fuel*
- AMERICAN® S-3 Motor Oil
- AMERICAN® Multi-Purpose Gear Lubricant
- AMOCO® Gear Lubricant
- SUPER PERMALUBE® Grease
- AMOCO® Automatic Transmission Fluid Type A

*Not available in Texas

Plus AMERICAN Truck Stop Plan

AMERICAN

AMERICAN OIL COMPANY
910 South Michigan Avenue
Chicago 80, Illinois

More details? Circle 154 on reply card inside back cover

BRAKE FLUID—continued

EIS AUTOMOTIVE CORP N Main & High Sts Middletown Conn
Hollingshead Corp R M 840 Cooper St Camden 2 N J
Lisle Corp 809 E Main St Clarinda Iowa
Olin Mathieson Chemical Corp Mathieson Bldg Baltimore 3 Md
Permatex Co 300 Broadway Huntington Sta New York N Y
RAYBESTOS DIV Raybestos-Manhattan Inc P O Box 1021 Bridgeport 2 Conn
THERMOID DIV Porter Co H K 200 Whitehead Rd Trenton 6 N J
UNION CARBIDE CONSUMER PRODUCTS CO Div Union Carbide Corp 270 Park Ave New York 17 N Y
UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich
UNITED PARTS DIV Echlin Mfg Co 1250 W Van Buren St Chicago 7 Ill
WAGNER ELECTRIC CORP 6480 Plymouth Ave St Louis 33 Mo

BRAKE HOSE—See Hose, Air Brake or Hydraulic
BRAKE HOSE HOLDERS—See Holders, Air Brake Hose

BRAKE LININGS & BLOCKS

Amco Works Porter Co H K Pavilion Ave Riverside N J
AMERICAN BRAKEBLOK DIV American Brake Shoe Co P O Box 21 Birmingham Mich
Anchor Packing Co 401 N Broad St Philadelphia 8 Pa
Atlas Asbestos Co 469 Walnut St North Wales Pa
BENDIX PRODUCTS DIV Bendix Corp 401 N Bendix Dr South Bend 20 Ind
CARLISLE CORP Molded Materials Div Gillis Ave Ridgway Pa
DELCO MORAINE DIV General Motors Corp 1420 Wisconsin Blvd Dayton 1 Ohio
Fawick Brake Div Fawick Corp 9921 Clinton Rd Cleveland 9 Ohio
FIRESTONE TIRE & RUBBER CO 1200 Firestone Pkwy Akron 17 Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Gatke Corp 228 N La Salle St Chicago 1 Ill
GREY-ROCK DIV Raybestos-Manhattan Inc 12 E Stiegal St Manheim Pa
Grizzly Brake Div Maremount Inc 168 N Michigan Ave Chicago 1 Ill
Inland Mfg Div General Motors Corp 2727 Inland Ave Dayton 1 Ohio
JOHNS-MANVILLE CORP 22 E 40th St New York 16 N Y
KELSEY-HAYES CO 3600 Military Ave Detroit 32 Mich
LASCO BRAKE PRODUCTS LTD Laher Spring & Electric Car Corp 2615 Magnolia St Oakland Calif
MARSHALL ECLIPSE DIV Bendix Corp Box 538 Troy N Y
Miley Co L J 18 S Sangamon St Chicago 7 Ill
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
RAYBESTOS DIV Raybestos-Manhattan Inc P O Box 1021 Bridgeport 2 Conn
Russell Mfg Co E Main St Middletown Conn
SCANDINAVIA DIV Scandura Inc N Tryon St at Keswick Ave Charlotte 1 N C
THERMOID DIV Porter Co H K 200 Whitehead Rd Trenton 6 N J
WAGNER ELECTRIC CORP 6470 Plymouth Ave St Louis 33 Mo
WELLINGTON SEARS CO INC 111 W 40th St New York 18 N Y
WELLMAN CO S K 200 Egbert Rd Bedford Ohio
WORLD BESTOS CORP Div Firestone Tire & Rubber Co 1112 S 25th St New Castle Ind

BRAKE LINING CLAMPS

BARRETT EQUIPMENT CO 2101 Cass Ave St Louis 6 Mo
Shepard-Thomason Co 2023 W Gage Ave Los Angeles 47 Calif
Star Machine & Tool Co 227 Sixth St S E Minneapolis 14 Minn
WAGNER ELECTRIC CORP 6470 Plymouth Ave St Louis 33 Mo

BRAKE LINING GAGES

Ammco Tools Inc 2100 Commonwealth Ave North Chicago Ill
BARRETT EQUIPMENT CO 2101 Cass Ave St Louis 6 Mo

BRAKE LINING GRINDERS

Ammco Tools Inc 2100 Commonwealth Ave North Chicago Ill
BARRETT EQUIPMENT CO 2101 Cass Ave St Louis 6 Mo
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Star Machine & Tool Co 227 Sixth St S E Minneapolis 14 Minn

BRAKE LINING MACHINES—See Brake Riveting Machines

BRAKE LINING SHIMS

BARRETT EQUIPMENT CO 2101 Cass Ave St Louis 6 Mo
Fawick Brake Div Fawick Corp 9921 Clinton Rd Cleveland 9 Ohio
Gatke Corp 228 N La Salle St Chicago 1 Ill
GREY-ROCK DIV Raybestos-Manhattan Inc 12 E Stiegal St Manheim Pa
RAYBESTOS DIV Raybestos-Manhattan Inc P O Box 1021 Bridgeport 2 Conn
WORLD BESTOS CORP Div Firestone Tire & Rubber Co 1112 S 25th St New Castle Ind

BRAKE LOCKS (Hill Holding)

Minnesota Automotive Inc 1101 N Front St Mankato Minn
WAGNER ELECTRIC CORP 6470 Plymouth Ave St Louis 33 Mo

BRAKE PEDAL DEPRESSORS

BEAR MFG CO 2016 Fifth Ave Rock Island Ill
Bennett-Feragen 1408 Jerome St Niles Mich
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
Manbee Equipment Div Bear Mfg Co P O Box 607 Rock Island Ill
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis

BRAKE RETARDERS—See Retarders and Brakes, Compression Exhaust

BRAKE RIVETING MACHINES

BARRETT EQUIPMENT CO 2101 Cass Ave St Louis 6 Mo
Grizzly Brake Div Maremount Div 168 N Michigan Ave Chicago 1 Ill
Marson Corp 115 Mill St Revere 51 Mass
RAYBESTOS DIV Raybestos-Manhattan Inc P O Box 1021 Bridgeport 2 Conn
Shepard-Thomason Co 2023 W Gage Ave Los Angeles 47 Calif
Star Machine & Tool Co 227 Sixth St S E Minneapolis 14 Minn
Transit Parts Co 35700 Vine St Willoughby Ohio
Wilson K R Arcade N Y

BRAKE SHOES

BENDIX PRODUCTS DIV Bendix Corp 401 N Bendix Dr South Bend 20 Ind
DELCO MORAINE DIV General Motors Corp 1420 Wisconsin Blvd Dayton 1 Ohio
Fawick Brake Div Fawick Corp 9921 Clinton Rd Cleveland 9 Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
GREY-ROCK DIV Raybestos-Manhattan Inc 12 E Stiegal St Manheim Pa
Grizzly Brake Div Maremount Inc 168 N Michigan Ave Chicago 1 Ill
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
RAYBESTOS DIV Raybestos-Manhattan Inc P O Box 1021 Bridgeport 2 Conn
Russell Mfg Co E Main St Middletown Conn
THERMOID DIV Porter Co H K 200 Whitehead Rd Trenton 6 N J
Transit Parts Co 35700 Vine St Willoughby Ohio
WAGNER ELECTRIC CORP 6470 Plymouth Ave St Louis 33 Mo
WORLD BESTOS CORP Div Firestone Tire & Rubber Co 1112 S 25th St New Castle Ind

BRAKE SPRING TOOLS—See Tools, Hand

BRAKE TESTING MACHINES

BEAR MFG CO 2016 Fifth Ave Rock Island Ill
Bennett-Feragen 1408 Jerome St Niles Mich
EIS AUTOMOTIVE CORP N Main & High Sts Middletown Conn
UNITED PARTS DIV Echlin Mfg Co 1250 W Van Buren St Chicago 7 Ill
WAGNER ELECTRIC CORP 6470 Plymouth Ave St Louis 33 Mo
Weaver Mfg Div Dura Corp 2171 S Ninth St Springfield Ill

BRAKE VALVES—See Brake Air Systems & Parts

BRAKE WARNING SIGNALS—See Signals
BRANDING IRONS—See Tire Branding Irons
BRASS SHIMS—See Shims & Shim Stock
BRASS TUBING—See Tubing, Brass, Copper & Steel
BREAKAWAY VALVES—See Brake Air Systems & Parts
BREAKERS, CIRCUIT—See Circuit Breakers
BREAKER POINTS—See Ignition Parts
BRUSHES, FOUNTAIN—See Washers, Fountain Brushes & Mops
BRUSHES, GENERATOR & STARTERS—See Generator Parts & Generators, Vehicle
BUFFERS—See Sanders, Portable

BUILDINGS, Pre-Fabricated

Armco Drainage & Metal Products Subsidiary Armstrong Steel Corp 4330 Curtis St Middletown Ohio
Binkley Co Warrenton Mo
Butler Mfg Co Buildings Div 7400 E 13th St Kansas City 26 Mo
Parkersburg Rig & Reel Co Building Div Parkersburg W Va
Stran-Steel Div Great Lakes Steel Co Tecumseh Rd Detroit 29 Mich

BUMPERS

AMERICAN METAL PRODUCTS CO Unison Action Seat Div 5991 Linsdale Ave Detroit 4 Mich
Binkley Co Warrenton Mo
Durable Mat Co 5 N Pleasant St Norwalk Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
HOLMES CO ERNEST 2505 E 43rd St Chattanooga 7 Tenn
Houdaille Industries Inc Buffalo Hydraulics Div 537 E Delavan Ave Buffalo 11 N Y
Nash Bros Co 2125 Dewey Ave Evanston Ill
PARISH PRESSED STEEL DIV Dana Corp Box 1422 Reading Pa
Rockwell-Standard Corp Bumper Div 843 4th Ave Coraopolis Pa

BUMPERS, Dock

BUMPERS INC 2534 Detroit Ave Cleveland 13 Ohio
Durable Mat Co 75 N Pleasant St Norwalk Ohio
GOODYEAR TIRE & RUBBER CO 1144 E Market St Akron 16 Ohio
Koneta Rubber Co Park St Wapakoneta Ohio
Nash Bros Co 2125 Dewey Ave Evanston Ill
SCHWITZER CORP 1125 Massachusetts Ave Indianapolis 7 Ind

BUMPER GUARDS

Brown Lipe Chapin Div General Motors Corp Town Line Rd Syracuse N Y
Douglas-Stemac Inc 620 12th Ave Minneapolis 4 Minn
EATON MFG CO Stamping Div 17877 St Claire Ave Cleveland 10 Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich

BURGLAR ALARMS, VEHICLE-MOUNTED—See Alarms, Truck & Cargo Protection

BUSES

BUSES, Commercial

Available Truck Co Div Crane Carrier Corp P O Box 5008 Tulsa Okla
BOYERTOWN AUTO BODY WORKS INC Third & Walnut Sts Boyertown Pa
CHEVROLET DIV General Motors Corp General Motors Bldg Detroit 2 Mich
Crown Coach Corp 2500 E 12th St Los Angeles 21 Calif
DIVCO TRUCK DIV Divco-Wayne Corp 22000 Hoover Rd Detroit 5 Mich
DODGE CAR & TRUCK DIV Chrysler Corp 7900 Joseph Campau Ave Detroit 31 Mich
Federal Motor Truck Co 834 N Seventh St Minneapolis 11 Minn
Flxible Co 326 N Walter St Loudonville Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
GMC TRUCK & COACH DIV General Motors Corp 660 So Blvd E Pontiac 11 Mich
INTERNATIONAL HARVESTER CO 180 N Michigan Ave Chicago 1 Ill
MACK TRUCKS INC 1355 W Front St Plainfield N J
MERCEDES-BENZ SALES INC Studebaker-Packard Corp 635 S Main St South Bend 27 Ind
Oneida Div Marmon-Herrington Co 1151 W Washington St Indianapolis Ind
REO DIV White Motor Co 1331 S Washington Ave Lansing 20 Mich
Southern Coach & Body Co Evergreen Ala
SUPERIOR COACH CORP E Kibby St & D T I RR Lima Ohio
Wayne Works Div Divco Wayne Corp 1500-1700 N "F" St Richmond Ind
WHITE MOTOR CO 842 E 79th St Cleveland 1 Ohio

BUSES, School

Blue Bird Body Co Ft Valley Ga
BROCKWAY MOTOR TRUCKS Div Mack Trucks Inc Cortland N Y
Carpenter Body Works Inc Mitchell Ind
DIVCO WAYNE CORP Wayne Works Div 1500-1700 N "F" St Richmond Ind
DODGE CAR & TRUCK DIV Chrysler Corp 7900 Jos Campau Ave Detroit 31 Mich
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
GMC TRUCK & COACH DIV General Motors Corp 660 So Blvd E Pontiac 11 Mich
Hackney Bros Body Co Herring Ave Box 856 Wilson N C
INTERNATIONAL HARVESTER CO 180 N Michigan Ave Chicago 1 Ill
Metropolitan Body Co The 151 Kossuth St Bridgeport Conn
Oneida Div Marmon-Herrington Co 1511 W Washington St Indianapolis 7 Ind
REO MOTOR TRUCK DIV White Motor Co Lansing 20 Mich
SUPERIOR COACH CORP E Kibby St & D T I RR Lima Ohio
Thomas Car Works Inc Perley A 1408 Courtesy St High Point N C
Ward Body Works Inc 805 Harkrider St Conway Ark
WHITE TRUCK DIV White Motor Co 842 E 79th St Cleveland 1 Ohio

BUS DOOR MOTORS

BENDIX PRODUCTS DIV Bendix Corp 401 N Bendix Dr South Bend 20 Ind
MIDLAND-ROSS CORP Owosso Div 490 S Chestnut St Owosso Mich
Porter Co H K Forge & Fittings Div 3270 E 79th St Cleveland 4 Ohio

BUS HARDWARE

(See also Body Hardware)

Binkley Co Warrenton Mo
Polar Hardware Mfg Co 3883 Lawrence Ave Chicago 25 Ill
Porter Co H K Forge & Fittings Div 3270 E 79th St Cleveland 4 Ohio

BUS HEATERS—See Heaters, Bus

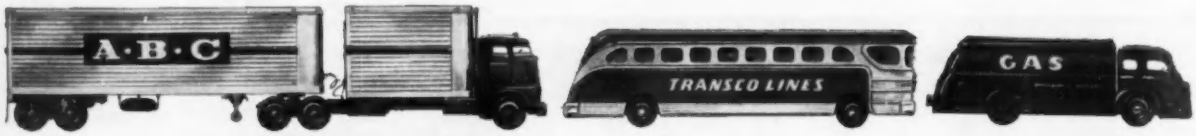
BUS INTERIOR CLEANERS

ACME EQUIPMENT INC 505 Central Trust Bldg Altoona Pa
Brulin & Co 2939-45 Columbia Ave Indianapolis 7 Ind
Kelite Products Inc 1250 N Main St Los Angeles 12 Calif
MAGNUS CHEMICAL CO INC 38 South Ave Garwood N J
OAKITE PRODUCTS INC 52G Rector St New York 6 N Y
ROSS & WHITE CO (Buck Cyclone) 400 W Madison St Chicago 6 Ill
SPRAY PRODUCTS CORP P O Box 1988 Camden 1 N J
Turco Products Inc 24600 S Main St North Wilmington Calif

BUS SEATS—See Seats, Bus
BUS VENTILATORS—See Ventilators, Bus & Truck
BUTANE ENGINES—See Engines, LP Gas

CABINETS, Accessories & Parts

Alan Wood Steel Co Ivy Rock Rd Conshohocken Pa
Berger Mfg Div Republic Steel Corp 1038 Belden Ave N E Canton 5 Ohio
Buxbaum Products Co 520 McKinley Ave N W Canton 2 Ohio
Equipto Div Aurora Equipment Co Prairie St at Cleveland Ave Aurora Ill
Frick-Gallagher Mfg Co 200-300 W Second St Wellston Ohio
Ken Mfg Co 20-21 Wagaraw Rd Fair Lawn N J
Lyon Metal Products Inc 609 Monroe Ave Aurora Ill
Shurhit Products Inc 845 S Market St Waukegan Ill
WEATHERHEAD CO 300 E 131st St Cleveland 8 Ohio



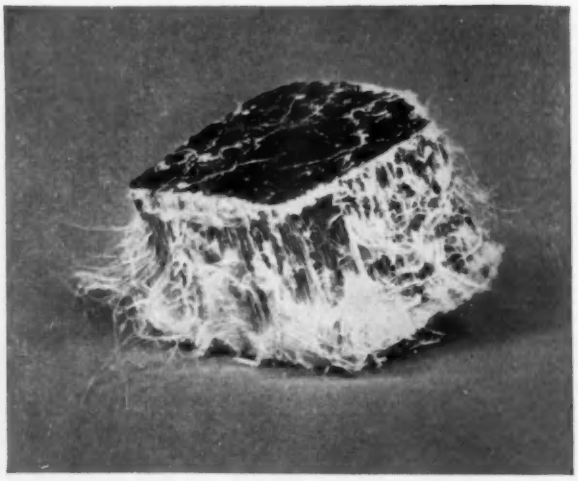
Why Raybestos® quality

Cut Operating Costs

Lower cost per mile is in many instances the difference between profit and loss. Raybestos can help improve your operating efficiency by providing the only true economy—economy based on quality.

Raw Materials Tested

At Raybestos, quality control begins with the raw materials. Take asbestos, for instance. We mine our own.



Asbestos as it comes from the mine.

Each lot in *every* shipment is subjected to this series of rigorous inspections:

- Ro-Tap test to assure that the asbestos fiber is always the right length
- Chemical analysis to cull out fibers with any impurities
- Ash and water crystallization test at 1400° F. to make sure that fibers will not break down during severe braking
- Soaking tests to prove ability of the fiber to absorb necessary resins

Asbestos fiber, like all raw materials used by us, must pass these and other tests before it is acceptable to our quality control people.

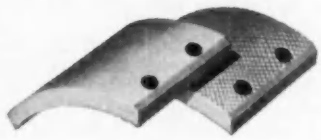
Our Own Resins and Adhesives

Here at Raybestos we make the resins used in our compounds. The same is true of the shear-proof bonding cement for our truck and passenger car sets. Only by producing these vital agents ourselves could we be absolutely certain that they would measure up to our exacting quality standards.

What does all this mean to you? Longer drum life and less downtime . . . maximum safety, strong fade resistance, smooth, quiet braking. Regardless of your operation, Raybestos can help you cut the cost per mile.

can cut your cost per mile

Molded Combination Blocks—for trucks, trailers and buses. Exceptionally long wear is assured, because engineered combinations take into consideration the axles, brake design, loads, and particular type of fleet operation.



Molded-Woven Blocks—for trucks and trailers only. Especially recommended where schedules or terrain create severe temperatures that make short drum life a costly problem.

SF Blocks—for trucks and trailers only. Ideal where an economy block is indicated or where both brake shoes do equal work. Provide good fade resistance.

PGT Heavy Duty Truck Sets—bonded or riveted to brake shoes and in sets ready for riveting. Recommended for hydraulic brakes on ¼ ton trucks and heavier. Combinations of Raybestos PGT sets on front axle and Raybestos blocks on rear axle afford excellent braking action.

Ray-Moll Clutch Facings—combine the advantage of low weight with great durability. Also important: When wear does take place, there is no excess of abrasive dust.

Ray-Lok Clutch Facings—endless facing with no staples, made of fully impregnated asbestos fabric. Unique method of interlocking yarn gives extraordinary strength and durability.

V-Drive and Automatic Transmission Plates—for buses only. Provide the smooth gear engagement so necessary to passenger comfort. Also long wearing.

Super Heavy Duty Brake Fluid—for trucks, tractors, buses. Exceeds SAE 70R3 specifications. Extremely high boiling point prevents vapor lock and pedal loss. Flows freely at very low temperatures. Contains no alcohol . . . no castor oil.

Bonded and Riveted Brake Lining Sets—for passenger cars. Insist on top quality for the cars in your fleet as well as the trucks. These proving-ground-tested linings have the braking power needed on today's hazardous highways.

USE **Raybestos**®

RAYBESTOS DIVISION of Raybestos-Manhattan, Inc., BRIDGEPORT, CONN. ***AMERICA'S BIGGEST SELLING FRICTION MATERIAL***

 More details? Circle 155 on reply card inside back cover

CABLES, BATTERY—See Battery Cables
CABLES, BRAKE—See Brake Cable
CABLES, IGNITION—See Ignition Cable
CABLES, SPEEDOMETER—See Speedometer Cable
CABLES, WELDING—See Welding Cable
CAGES, TIRE INFLATING—See Tire inflating Guards
CALCULATORS—See Office Machines

CALIPERS & DIVIDERS

Ames Co B C 12 Ames St Waltham 54 Mass
Brown & Sharpe Mfg Co 235 Promenade St Providence R I
Central Tool Co 456 Wellington Ave Cranston 10 R I
Lufkin Rule Co 1730 Hess Ave Saginaw Mich
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
Millers Falls Co 57 Wells St Greenfield Mass
Starrett Co L S 1 Crescent St Athol Mass

CAMSHAFT GRINDERS—See Crankshaft & Camshaft Grinders
CANVAS—See Tarpaulins

CAPS, Fuel Tank, Locking

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Highway Flint 2 Mich
Accurate Products Inc 135 N Spring St Indianapolis Ind
Dole Valve Co 6201 Oakton St Morton Grove Ill
EATON MFG CO Stamping Div 17877 St Claire Ave Cleveland 10 Ohio
Edelmann & Co E 2332 Logan Blvd Chicago 47 Ill
STANT MFG CO INC 1620 Columbia St Connersville Ind

CAPS, OIL FILLER—See Oil Filler Caps
CAPS, RADIATOR—See Radiator Caps
CAPS, TIRE & VALVE—See Tire Valves & Caps
CARBON MONOXIDE INDICATORS—See Alarms, Carbon Monoxide
CARBON MONOXIDE REMOVING SYSTEMS—See Ventilators, Exhaust Gas

CARBURETORS, Gasoline

Accurate Products Inc (Parts Only) 135 N Spring St Indianapolis Ind
BENDIX PRODUCTS DIV Bendix Corp 401 N Bendix Dr South Bend 20 Ind
Carter Carburetor Div A C F Industries Inc 2840 N Spring Ave St Louis 7 Mo
Champ-Items Inc (Parts Only) 6191 Maple Ave St Louis 3 Mo
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
HOLLEY CARBURETOR CO 11955 E Nine Mile Rd Warren Mich
Hygrade Products Div Standard Motor Products Inc (Parts Only) 37-18 Northern Blvd Long Island City N Y
Marvel-Schebler Products Div Borg-Warner Corp 2195 S Elwin Rd Decatur Ill
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Rochester Products Div General Motors Corp 1000 Lexington Ave Rochester 3 N Y
UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich
ZENITH CARBURETOR DIV Bendix Corp 696 Hart Ave Detroit 14 Mich

CARBURETORS & CONVERTERS, LP Gas

American Liquid Gas Corp 1109 Santa Fe Ave Los Angeles 21 Calif
Beam Products Mfg 3040 Rosslyn St Los Angeles 65 Calif
CENTURY GAS EQUIPMENT CO Marvel Schebler Products Div Borg-Warner Corp 625 Southside Dr Decatur Ill
Ensign Carburetor Div America Bosch Arma Corp 1511 E Orangethorpe Ave Fullerton Calif
ZENITH CARBURETOR DIV Bendix Corp 696 Hart Ave Detroit 14 Mich

CARBURETOR CLEANERS—See Cleaning Compounds & Solvents
CARGO CONTAINERS—See Trailer
CARGO HEATERS—See Heaters, Cargo
CARRIERS, TIRE—See Tire Carrier
CEMENT, GASKET—See Gasket Compounds
CHAIN ADJUSTERS, TIRE—See Tire Chain Adjusters
CHAIN HOISTS—See Hoists, Chain or Cable
CHAINS, TIMING—See Timing Chains
CHAINS, TIRE—See Tire Chains
CHARGERS, BATTERY—See Battery Chargers
CHASSIS DYNAMOMETERS—See Dynamometers, Chassis
CHASSIS UNDERCOATINGS—See Undercoatings
CHOCKS, WHEEL—See Wheel Chocks

CIRCUIT BREAKERS

Allis-Chalmers Mfg Co Milwaukee Wis
Col-Hersee Co 20 Old Colony Ave Boston 27 Mass
ELECTRIC AUTOLITE CO THE (PRESTOLITE) Toledo 1 Ohio
F & B MFG CO 4248 W Chicago Ave Chicago 51 Ill

REMEMBER: Vehicle makers offer parts and components for their own vehicles. Generally it is not possible to list them under all the product headings involved. Also many makers have a line of reconditioned (by qualified local rebuilders) parts and components, and some supply parts and components for other makers' vehicles. Vehicle makers who have a separately named division for handling parts and components are listed under the heading "Replacement Parts". Otherwise the address is as shown under the appropriate vehicle heading. For example, "Trucks" or "Trailers".

General Electric Co Apparatus Sales Div 1 River St Schenectady 5 N Y
LEECE-NEVILLE CO 1374 E 51st St Cleveland 3 Ohio
Littlefuse Inc 1865 E Miner St Des Plaines Ill
Mallory Electric Corp 12416 Cloverdale Ave Detroit 4 Mich
REYNOLDS MFG CO Landem Div 600 N Prospect Ave Springfield 2 Mo
TUNG-SOL ELECTRIC INC 95 Eighth Ave Newark 4 N J
Westinghouse Electric Corp 3 Gateway Center P O Box 2278 Pittsburgh 3 Pa

CLAMPS, BATTERY HOLD DOWN—See Battery Hold Down Clamps
CLAMPS, BRAKE LINING—See Brake Lining Clamps
CLAMPS, BRAKE CYLINDER, HYDRAULIC—See Brake Cylinder Clamps
CLEANERS, AIR—See Air Cleaners
CLEANER, BUS INTERIOR—See Bus Interior Cleaners, or Vacuum Cleaners
CLEANERS, RADIATOR—See Radiators, Cleaner or Cooling System Flusher
CLEANERS, SPARK PLUG—See Spark Plug Cleaners
CLEANERS, VACUUM—See Vacuum Cleaners

CLEANING COMPOUNDS & SOLVENTS

ACME EQUIPMENT INC 505 Central Trust Bldg Altoona Pa
Acme Quality Paints Inc 8250 St Aubin Ave Detroit 11 Mich
Acrolite Products Inc 810 Martin St Rahway N J
Arco Co The Div American-Marietta 7301 Bessemer Ave Cleveland 27 Ohio
Balcrank Inc Disney St nr Marburg Cincinnati 9 Ohio
Bardahl International Corp 1400 W 52nd St Seattle 7 Wash
BENDIX PRODUCTS DIV Bendix Corp 401 N Bendix Dr South Bend 20 Ind
Brulin & Co 2939-45 Columbia Ave Indianapolis 7 Ind
Cee-Bee Chemical Co 9520 E Ceebee Dr Downey Calif
Choldunm Mfg Corp 331 East St New Haven Conn
Circo Corp 51 Terminal Ave Clark N J
Cities Service Oil Co 60 Wall Tower New York 5 N Y
CLAYTON MFG CO 433 N Temple City Blvd El Monte Calif
Commercial Solvents Corp 260 Madison Ave New York 17 N Y
CORROSION REACTION CONSULTANTS 116-5A Chestnut St Philadelphia 6 Pa
Delco Appliance Div General Motors Corp P O Box 230 Rochester 1 N Y
DITZLER COLOR DIV Pittsburgh Plate Glass Co 8000 W Chicago Ave Detroit 4 Mich
DOW CHEMICAL CO Midland Mich
DU BOIS CHEMICALS INC Broadway at Seventh Cincinnati 2 Ohio
DU PONT DE NEMOURS & CO E I Finishes Div Chemical Specialties Sales Wilmington 98 Del
Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn
Eagle Picher Co American Bldg Central Parkway Cincinnati 1 Ohio

Esso Standard Div Humble Refining Co 15 W 51st St New York 19 N Y
Gumout Div Pennsylvania Refining Co 2686 Lisbon Rd Cleveland Ohio
Gunk Laboratories Inc 630 N Harlem Ave River Forest Ill
Hollingshead Corp R M 840 Cooper St Camden N J
HOMESTEAD VALVE MFG CO Hypressure Jenny Div Narrows Run Rd Coraopolis Pa
Houghton & Co E F 303 W Lehigh Ave Philadelphia 33 Pa
Johnson & Son Inc S C 1525 Howe St Racine Wis
Kelite Products Inc 1250 N Main St Los Angeles 12 Calif
Kleer-Flo Co Div Practical Mfg Co 250 W 57th St New York N Y
Krylon Inc Ford & Washington Sts Norristown Pa
Laitner Brush Co 2000 Brooklyn Ave Detroit 26 Mich
LUBRICATION ENGINEERS INC 2807-11 Race St Ft Worth 11 Tex
Mac's Super Gloss Co 6040 N. Figueroa St Los Angeles 42 Calif
MAGNUS CHEMICAL CO INC 38 South Ave Garwood N J
Malsbary Mfg Co 845 92nd Ave Oakland 3 Calif
MOBIL OIL CO 150 E 42nd St New York 17 N Y
Norimust Corp 228 W 65th St New York 23 N Y
Nutmeg Chemical Co Motive Specialties Div 130 Haven St New Haven 13 Conn
OAKITE PRODUCTS INC 52G Rector St New York 6 N Y
Oil-Dri Corp of America 520 N Michigan Ave Chicago 11 Ill
Oronite Chemical Co A California Chemical Co Subsidiary 200 Bush St San Francisco 20 Calif
Pennsylvania Refining Co 2680 Lisbon Rd Cleveland 4 Ohio
Pennzoil Div South Penn Oil Co Drake Bldg P O Box 78 Oil City Pa
Permacel U S Highway 1 New Brunswick N J
Permatex Co 300 Broadway Huntington Sta New York N Y
Phillips Mfg Co 8200 Grand Ave S Minneapolis 20 Minn
Practical Mfg Co 1009 N Hill St Hopkins Minn
Pyroil Co 122 N Main St La Crosse Wis
Rochester Products Div General Motors Corp 1000 Lexington Ave Rochester 3 N Y
ROSS & WHITE 400 W Madison St Chicago 6 Ill
Rust Master Chemical Corp 175 Union St Worcester 8 Mass
Shaler Co Waupun Wis
SHELL OIL CO 50 W 50th St New York 20 N Y
SHERWIN - WILLIAMS CO Automotive Refinish Div 101 Prospect Ave N W Cleveland 1 Ohio
Silco Inc 9 E 45th St New York 17 N Y
Skelly Oil Co Skelly Bldg Tulsa Okla
Speedi-Dri Div Minerals & Chemicals Phillip Corp Essex Turnpike Menlo Park N J
SPRAY PRODUCTS CORP P O Box 1988 Camden 1 N J
STANDARD OIL CO OF CALIF Western Operations Inc 225 Bush St San Francisco 20 Calif
Start Pilot Corp 61 Second St Mineola N Y
Sun Oil Co 1608 Walnut St Philadelphia 3 Pa
Turco Products Inc 24600 S Main St North Wilmington Calif
Turtle Wax Inc 1800 N Claybourn Ave Chicago 14 Ill
UNION CARBIDE CONSUMER PRODUCTS CO Div Union Carbide Corp 270 Park Ave New York 17 N Y
United States Aviex Co 423 N Ninth St Niles Mich
WILCO INC 4425 Bandini Blvd Los Angeles Calif
Wynn Oil Co 1151 W Fifth St Azusa Calif
"X" Laboratories Inc 25 W 45th St New York 36 N Y
Zecol Inc 3270 S 3rd St Milwaukee 7 Wis

CLEANING MACHINES (Including Pressure & Steam)

ACME EQUIPMENT INC 505 Central Trust Bldg Altoona Pa
Aeroil Products Co 69 Wesley St South Hackensack N J
BARRETT EQUIPMENT CO 2101 Cass Ave St Louis 6 Mo
Bean Div John FMC Corp 1305 S Cedar St Lansing 4 Mich
Burlin & Co 2939-45 Columbia Ave Indianapolis 7 Ind
Circo Corp 51 Terminal Ave Clark N J
CLAYTON MFG CO 433 N Temple City Blvd El Monte Calif
De Vilbiss Co 300 Phillips Ave Toledo 1 Ohio
GRAY CO INC 760 Graco Sq Minneapolis 13 Minn
Gunk Laboratories Inc 630 N Harlem Ave River Forest Ill
Hollingshead Corp R M 840 Cooper St Camden N J
HOMESTEAD VALVE MFG CO Hypressure Jenny Div Narrows Run Rd Coraopolis Pa
Imperial Brass Mfg Co 6300 W Howard St Chicago 48 Ill
Kelite Products Inc 1250 N Main St Los Angeles 12 Calif
Kleer-Flo Co Div Practical Mfg Co 250 W 57th St New York N Y
MAGNUS CHEMICAL CO INC 38 South Ave Garwood N J
Malsbary Mfg Co 845 92nd Ave Oakland 3 Calif
OAKITE PRODUCTS INC 52G Rector St New York 6 N Y
Pantex Mfg Corp Steam Generator Div Box 660 Pawtucket 10 R I
Permatex Co 300 Broadway Huntington Sta New York N Y
Practical Mfg Co 1009 N Hill St Hopkins Minn
ROSS & WHITE CO 400 W Madison St Chicago 6 Ill
Sellers Injector Corp 1600 Hamilton St Philadelphia 43 Pa
Slifer Mfg Co Gowrie Iowa
SPRAGUE DEVICES INC 500 Huron St Mich City Ind
Storm-Vulcan Inc 2225 Burbank St Dallas 35 Tex
THOMPSON PRODUCTS REPLACEMENT DIV Thompson-Ramo-Wooldridge Inc 6402 Cedar Ave Cleveland 3 Ohio
Turco Products Inc 24600 S Main St North Wilmington Calif
UNION CARBIDE CONSUMER PRODUCTS CO Div Union Carbide Corp 270 Park Ave New York 17 N Y
Vapor Heating Corp 6420 Howard St Chicago 4 Ill

CLEANING TANKS

ALC Co Box 40 Rt 5 Medina Ohio
Aeroil Products Co 69 Wesley St South Hackensack N J
Alvey-Ferguson Co Oakley Sta Cincinnati 9 Ohio
Bacon Vulcanizer Mfg Co 1295 67th St Oakland 8 Calif
BARRETT EQUIPMENT CO 2101 Cass Ave St Louis 6 Mo
Circo Corp 51 Terminal Ave Clark N J
Detrex Chemicals Industries Inc Box 501 Detroit 32 Mich
De Vilbiss Co 300 Phillips Ave Toledo 1 Ohio
Gunk Laboratories Inc 630 N Harlem Ave River Forest Ill
K-D MFG CO 526 N Plum St Lancaster Pa
Kelite Products Inc 1250 N Main St Los Angeles 12 Calif
Kleer-Flo Co Div Practical Mfg Co 250 W 57th St New York N Y
MAGNUS CHEMICAL CO INC 38 South Ave Garwood N J
MAHON CORP R C 6565 E Eight Mile Rd at Sherwood Detroit 34 Mich
Phillips Mfg Co 8200 Grand Ave S Minneapolis 20 Minn
Practical Mfg Co 1009 N Hill St Hopkins Minn
SPRAGUE DEVICES INC 500 Huron St Michigan City Ind
Storm-Vulcan Inc 2225 Burbank St Dallas 35 Tex
Turco Products Inc 24600 S Main St North Wilmington Calif
VICTOR MFG & GASKET CO P O Box 1333 Chicago 90 Ill
Westinghouse Electric Corp X-Ray and Electronics Div 2519 Wilkens Ave Baltimore 3 Md
Wilson K R Arcade N Y
Winona Tool Mfg Co 1430 W Broadway Winona Minn

CLEARANCE LAMPS—See Lamps
CLIPS, SPRING—See Spring Clips & U-Bolts
CLOTH—See Fabrics, Coated Cloth or Tarpaulins

CLUTCHES

CLUTCHES & PARTS

Accurate Re-Nu Clutch Div Maremount Corp 168 N Michigan Ave Chicago 1 Ill
BORG & BECK DIV Borg-Warner Corp 6658 S Menard Ave Chicago 38 Ill
BORG-WARNER SERVICE PARTS CO 6 N Michigan Ave Chicago 2 Ill
DANA CORP Standard Equipment Div 4100 Bennett Rd Toledo 1 Ohio
DORMAN PRODUCTS INC 5757 Mariemont Ave Cincinnati 27 Ohio (Parts Only)

CLUTCHES & PARTS—cont'd

Elgin Machine Works Inc 412 N State St Elgin Ill (Parts Only)
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Inland Mfg Div General Motors Corp 2727 Inland Ave Dayton 1 Ohio
Johnson Bronze Co 510 South Mill St New Castle Pa (Parts Only)
Lempco Products Inc 5490 Dunham Rd Bedford Ohio (Parts Only)
LIPE-ROLLWAY CORP 806 Emerson Ave Syracuse 1 N Y
Long Mfg Div Borg-Warner Corp 12501 Dequindre St Detroit 12 Mich
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Perfection Gear Co 152nd St & Vincennes Ave Harvey Ill (Parts Only)
ROCKFORD CLUTCH DIV Borg-Warner Corp 1335 18th Ave Rockford Ill
Townsend Co Box 71-E Ellwood City Pa (Parts Only)
Warner Electric Brake & Clutch Co Beloit Wis
WELLMAN CO S K 200 Egbert Rd Bedford Ohio

CLUTCH FACINGS

Accurate Re-Nu Clutch Div Maremount Corp 168 N Michigan Ave Chicago 1 Ill
AMERICAN BRAKELOK DIV American Brake Shoe Co P O Box 21 Birmingham Mich
Armstrong Cork Co 3003 Robbins Ave Lancaster Pa
Atlas Asbestos Co 469 Walnut St North Wales Pa
DELCO MORAINE DIV General Motors Corp 1420 Wisconsin Blvd Dayton 1 Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Gatke Corp 228 N LaSalle St Chicago 1 Ill
GREY-ROCK DIV Raybestos-Manhattan Inc 12 E Stiegal St Manheim Pa
JOHNS-MANVILLE CORP 22 E 40th St New York 16 N Y
MARSHALL-ECLIPSE DIV Bendix Corp Box 538 Troy N Y
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Porter Co H K Amco Works Pavilion Ave Riverside N J
RAYBESTOS DIV Raybestos-Manhattan Inc P O Box 1021 Bridgeport 2 Conn
Russell Mfg Co E Main St Middletown Conn
SCANDANAVIA DIV Scandura Inc N Tryon St at Keswick Ave Charlotte 1 N C
THERMOID DIV Porter Co H K 200 Whitehead Rd Trenton 6 N J
WELLMAN CO S K 200 Egbert Rd Bedford Ohio
WORLD BESTOS CORP Div Firestone Tire & Rubber Co 1112 S 25th St New Castle Ind

CLUTCH REBUILDING MACHINES

BEAR MFG CO 2016 Fifth Ave Rock Island Ill
BORG-WARNER SERVICE PARTS CO 6 N Michigan Ave Chicago 2 Ill
Perfection Gear Co 152nd St & Vincennes Ave Harvey Ill
ROCKFORD CLUTCH DIV Borg-Warner Corp 1335 18th Ave Rockford Ill

CLUTCH THROWOUT BEARINGS

BEARINGS CO OF AMERICA Div Federal-Mogul-Bower Bearings Inc 501 Harrisburg Ave Lancaster Pa
BORG-WARNER SERVICE PARTS CO 6 N Michigan Ave Chicago 2 Ill
DORMAN PRODUCTS INC 5757 Mariemont Ave Cincinnati 27 Ohio
FEDERAL MOGUL SERVICE DIV Federal-Mogul-Bower Bearings Inc 11301 Shoemaker Rd Detroit 13 Mich
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Johnson Bronze Co 510 South Mill St New Castle Pa
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Nice Ball Bearing Co 30th St & Hunting Park Ave Philadelphia 40 Pa
Perfection Gear Co 152nd St & Vincennes Ave Harvey Ill
SKF INDUSTRIES INC Front St & Erie Ave Philadelphia 32 Pa

CLUTCH SPRING TESTERS—See Testers, Valve & Clutch Springs
COILS, IGNITION—See Ignition Coils
COIL SPRINGS—See Springs, Coil
COOLING SYSTEM PRODUCTS—See Cooling Systems or Radiators
COMBUSTION ANALYZERS—See Analysers
COMMUTATOR LATHES—See Lathes, Bench
COMPOUNDS, BODY REPAIR—See Body Repair Compounds
COMPOUNDS, CLEANING—See Cleaning Compounds & Solvents
COMPOUNDS, DEGREASING—See Cleaning Compounds & Solvents
COMPOUNDS, GASKET—See Gasket Compounds
COMPOUNDS, RADIATOR—See Radiator Sealing Compounds or Radiator Rust Inhibitors

COMPOUNDS, Rubbing & Polishing

Acme Quality Paints Inc 8250 St Aubin Ave Detroit 11 Mich
Arco Co The Div American-Marietta 7301 Bessemer Ave Cleveland 27 Ohio
BLACK & DECKER MFG CO 629 Pennsylvania Ave Towson 4 Md
DITZLER COLOR DIV Pittsburgh Plate Glass Co 8000 W Chicago Ave Detroit 4 Mich
DU PONT DE NEMOURS & CO E I Finishes Div Chemical Specialties Sales Wilmington 98 Del
Glidden Co 900 Union Commerce Bldg Cleveland 14 Ohio
Hollingshead Corp R M 840 Cooper St Camden 2 N J
Permatex Co 300 Broadway Huntington Sta New York N Y
SHERWIN-WILLIAMS CO Automotive Refinish Div 101 Prospect Ave N W Cleveland 1 Ohio
Simoniz Co 2100 Indiana Ave Chicago 16 Ill
Turco Products Inc 24600 S Main St North Wilmington Calif
UNION CARBIDE CONSUMER PRODUCTS CO Div Union Carbide Corp 270 Park Ave New York 17 N Y

COMPOUNDS, TIRE REPAIR—See Tire Repair Compounds
COMPOUNDS, VEHICLE WASHING—See Cleaning Compounds & Solvents
COMPOUNDS, WINDSHIELD SEALING—See Windshield Sealing Compounds
COMPRESSION BRAKES, EXHAUST—See Brakes, Compression Exhaust

COMPRESSION GAGES

Allen Electric & Equipment Co 2101 N Pitcher St Kalamazoo 13F Mich
Auto Test Inc 600 S Michigan Ave Chicago 5 Ill
BACHARACH INDUSTRIAL INSTRUMENT CO 200 N Braddock Ave Pittsburgh 8 Pa
BENDIX WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO 901 Cleveland Rd Elyria Ohio
Electro Products Co 445 E 189th St New York 58 N Y
HASTINGS MFG CO N Hanover St Hastings Mich
Kal-Equip Co 411 Washington St Otsego Mich
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
Kiene Diesel Accessories Inc 10352 Pacific Ave Franklin Park Ill
King Electric Equipment Co 9123 Inman Ave Cleveland 5 Ohio
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
Niehoff & Co C E 4925 W Lawrence Ave Chicago 30 Ill
Rinck-McIlwaine Inc 16 Hudson St New York 13 N Y
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Sun Electric Corp Harlem & Avondale Chicago 31 Ill
WEIDENHOFF CORP Highway 18 Algona Iowa

COMPRESSORS, AIR—See Air Compressors
CONCRETE MIXERS—See Bodies, Concrete Mixers
CONDENSER TESTERS—See Ignition Condenser Testers
CONDENSERS, IGNITION—See Ignition Parts
CONDITIONERS, AIR—See Air Conditioners

CONNECTING RODS

ALUMINUM CO OF AMERICA 1501 Alcoa Bldg Pittsburgh 19 Pa
Bohn Aluminum & Brass Corp 1400 Lafayette Bldg Detroit 26 Mich
CONTINENTAL MOTORS CORP 205 Market St Muskegon 82 Mich
FEDERAL MOGUL SERVICE DIV Federal-Mogul-Bower Bearings Inc 11031 Shoemaker Rd Detroit 13 Mich
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
G N ENGINE PARTS DIV First National Bank Bldg St Paul 1 Minn

More details? Circle 156 on reply card inside back cover——→

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M-59

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CONNECTING RODS—cont'd

McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Ohio Piston & Machinery Co 11786 Superior Ave N E Cleveland 6 Ohio
THOMPSON PRODUCTS MICHIGAN DIV Thompson Ramo Wooldridge Inc 34201 Van Dyke Ave Warren Mich
Toledo Steel Products Div Thompson Ramo Wooldridge Inc 6402 Cedar Rd Cleveland 3 Ohio

CONNECTING ROD ALIGNING JIGS

Ammco Tools Inc 2100 Commonwealth Ave North Chicago Ill
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
Lee Co K O 110 First Ave Aberdeen S D
Lisle Corp 809 E Main St Clarinda Iowa
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
Shepard-Thomason Co 2023 W Gage Ave Los Angeles 47 Calif
Stevens-Walden Inc 475 Shrewsbury St Worcester Mass
Storm-Vulcan Inc 2225 Burbank St Dallas 35 Tex
Sunnen Products Co 7910 Manchester Ave St Louis 17 Mo
Wilson Inc K R Arcade N Y

CONNECTING ROD BEARINGS—See Bearings, Camshaft & Crankshaft

CONNECTORS, Trailer (Electric)

Autac Inc Box 1071 New Haven Conn
Berg Mfg & Sales Co 1712-14 S Michigan Ave Chicago 16 Ill
Cole Hersee Co 20 Old Colony Ave Boston 27 Mass
Hoof Co C M 2100 Greenleaf St Evanston Ill
Griffin Lamp Co Shelby Miss
Holland Hitch Co 430 W 18th St Holland Mich
Ideal Corp 435 Liberty Ave Brooklyn 7 N Y
Industrial Steel Tank & Body Works Inc 2533 Fourth St Berkeley 10 Calif
K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio
Scintilla Div Bendix Corp Sidney N Y
STANDARD MOTOR PRODUCTS INC 37-08 Northern Blvd Long Island City N Y
Warner Electric Brake & Clutch Co Beloit Wisc
Weber Trailer & Mfg Co 8400 E Slauson Ave Pico Rivera Calif
Whitaker Cable Corp 1301-15 Burlington Ave North Kansas City 16 Mo

CONNECTORS, WIRE—See Wire Terminals
CONTACT POINTS—See Ignition Parts

CONTAINERS, Cargo

(See also Trailers)

Aerobilt Bodies Inc Div Grumman Aircraft Co Athens N Y
BROWN TRAILER DIV Clark Equipment Co Box 410 Michigan City Ind
BUDD CO THE 12141 E Charlevoix Ave Detroit 15 Mich
CHAMPION CO Springfield Ohio
Dempster Bros Inc Box 3127 Knoxville Tenn
DORSEY TRAILERS INC Elba Ala
FRUEHAUF TRAILER CO 10940 Harper Ave Detroit 32 Mich
Gindy Mfg Co Boot Rd & Chestnut St Downingtown Pa
GOODYEAR TIRE & RUBBER CO 1144 E Market St Akron 16 Ohio (Liquid)
Great Dane Trailers Inc P O Box 1159 Savannah Ga
Hercules Steel Products Co 500 Sherman St Galion Ohio
Highway Trailer Industries Inc 250 Park Ave New York N Y
National Castings Co (Lifting Equipment) 10600 Quincy Ave Cleveland Ohio
Ohio Body Mfg Co New London Ohio
Perfection Div Hupp Corp 1135 Ivanhoe Rd Cleveland 10 Ohio
Ramseur & Sons V D 201 Airport Rd Greenville S C
Strick Trailers Div Fruehauf Trailer Co 225 Lincoln Highway Fairless Hills Pa
TRAILMOBILE INC 31st & Robertson Ave Cincinnati 9 Ohio
Trans-Equipment Corp 4160 W Broad St Columbus 4 Ohio
UNITED STATES RUBBER CO Rockefeller Center 1230 Ave of the Americas New York 20 N Y (Liquid)
UTILITY TRAILER MFG CO P O Box 2291 City of Industry Calif

CONVERTERS, AXLE DOLLIES—See Axle Dollies
CONVERTERS, TORQUE—See Torque Converters

CONVEYORS, Dock

Aluminum Trailer Sales Inc 131 S 32nd St Birmingham Ala
Alvey Conveyor Mfg Co 9301 Olive St Rd St Louis 32 Mo
KAPPEN SALES CO 1238J Enquirer Bldg Cincinnati 2 Ohio
Link-Belt Co 1700 Prudential Bldg Chicago Ill
Safety Industries Inc Handling Systems Div Easton Pa

CONVEYORS, Truck Body

Alvey Conveyor Mfg Co 9301 Olive St Rd St Louis 32 Mo
Link-Belt Co 1700 Prudential Bldg Chicago Ill
WATSON CO H S 1316 67th St Emeryville Calif

COOLERS, OIL—See Oil Coolers

COOLING SYSTEM FILTERS

BALDWIN MFG CO J A Kearney Nebr
FRAM CORP Pawtucket Ave Providence 16 R I
Perry Filter Div Hollingshead Corp R M 840 Cooper St Camden 2 N J
Purolator Products Inc 970 New Brunswick Ave Rahway N J

COOLING SYSTEM FLUSHERS

Bardahl International Corp 1400 W 52nd St Seattle 7 Wash
Choldun Mfg Corp 331 East St New Haven Conn
DU PONT DE NEMOURS & CO E I Grasselli Chemical Dept Du Pont Bldg Wilmington 98 Del
Hollingshead Corp R M 840 Cooper St Camden 2 N J
HOMESTEAD VALVE MFG CO Hypressure Jenny Div Narrows Run Rd Coraopolis Pa
Kent-Moore Organization Inc 28635 Mount Rd Warren Mich
UNION CARBIDE CONSUMER PRODUCTS CO Div Union Carbide Corp 270 Park Ave New York 17 N Y

COPPER SHIMS—See Shims & Shim Stock
COPPER TUBING—See Tubing, Brass, Copper & Steel
CORD, TIRE—See Tire Cord
CORES, RADIATOR—See Radiators, Engine, cooling
CORROSION PREVENTIVE—See Radiator Rust Inhibitors
COUPLERS, TRAILER ELECTRICAL—See Connectors, trailer electric
COUPLERS, TRAILER—See Trailer Hitches
COVERS, TRUCK & TRAILER—See Tarpaulins
CRACK & FLAW DETECTORS—See Magnetic Inspection Equipment

CRANES, Crawler & Truck Mounted

(See also Hoists, Chain & Cable)

Baldwin-Lima-Hamilton Corp Austin Western Div Phila National Bank Bldg Philadelphia 42 Pa
Bay City Shovels Inc 2611 Center St Bay City Mich
Bucyrus-Erie Co South Milwaukee Wis
HARNISCHFEGER CORP P & H Construction & Mining Div 4400 W National Ave Milwaukee 46 Wis
Hyster Co 2902 N E Clackamus St Portland 8 Ore
Marion Power Shovel Co 617 W Center St Marion Ohio
Stratton Equipment Co 2030 E 105th St Cleveland 6 Ohio
Thew Shovel Corp E 28th St & Fulton Rd Lorain Ohio
Unit Crane and Shovel Corp 6307 W Burnham St Milwaukee 19 Wis

CRANES, Monorail

American Monorail Co 1111 E 200th St Cleveland 17 Ohio
Borg-Warner Industrial Cranes 1519 S Paulina St Chicago 8 Ill
Detroit Hoist & Machine Co 8216 Morrow St Detroit 11 Mich
HARNISCHFEGER CORP P & H Construction & Mining Div 4400 W National Ave Milwaukee 46 Wis
Louden Machinery Co 1102 West Ave Fairfield Iowa
Michigan Crane & Conveyor Co 115 N McKinstry St Detroit Mich
Northern Engineering Works 210 Chene St Detroit 7 Mich

CRANES, PORTABLE—See Hoists, Chain & Cable

CRANES, Service Truck or Shop

American Truck Body Co Martinsville Va
AUTO SPECIALTIES MFG CO 643 Graves St St Joseph Mich
Blackhawk Automotive Div Blackhawk Mfg Co 5325 W Rogers St Milwaukee 46 Wis
Cam Tool Co Inc 1938 Larkin St San Francisco Calif
Cemco Industries Inc Galion Ohio
Gar Wood Industries Inc Wayne Mich
HOLMES CO ERNEST 2505 E 43rd St Chattanooga 7 Tenn
Manley Div Douglass Motors Inc 1243 N 62nd St Milwaukee 13 Wis
RUGER EQUIPMENT INC 281 W 4th St Uhrichsville Ohio
Silent Hoist & Crane Co 841-889 63rd St Brooklyn 20 N Y
Star Machine & Tool Co 227 Sixth St S W Minneapolis 14 Minn
Stratton Equipment Co 2030 E 105th St Cleveland 6 Ohio
Truck Equipment Co 1791 Fillmore Ave Buffalo 14 N Y
WATSON CO H S 1316 67th St Emeryville Calif
Weld-Built Body Co Inc 5903 Preston Court Brooklyn 34 N Y
YOUNG SPRING & WIRE CORP Equipment Div 500 Lehmann Ave Bowling Green Ohio

CRANKCASE ADDITIVES—See Additives, Fuel & Oil
CRANKCASE OIL DRAINERS—See Oil Drainers
CRANKCASE OIL RECLAIMERS—See Oil Reclaimers

CRANKCASE VENTILATORS

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
Donaldson Co Inc 666 Pelham Blvd St Paul 14 Minn
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
FRAM CORP Pawtucket Ave Providence 16 R I
Oildex Corp 418 E Second St Tulsa Okla

CRANKSHAFTS, Remanufactured

American Crankshaft Co 510 W Morehead St Charlotte N C
Morco Inc 22201 Aurora Rd Bedford Ohio

CRANKSHAFT BALANCING MACHINES

Bean Div John FMC Corp 1305 S Cedar St Lansing 4 Mich
BEAR MFG CO 2016 Fifth Ave Rock Island Ill
Lempco Products Inc 5490 Dunham Rd Bedford Ohio

CRANKSHAFT & CAMSHAFT GRINDERS

Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Norton Co 1 New Bond St Worcester 6 Mass
Storm-Vulcan Inc 2225 Burbank St Dallas 35 Tex
Sunnen Products Co 7910 Manchester Ave St Louis 17 Mo
VAN NORMAN MACHINE CO Div Van Norman Industries Inc 3640 Main St Springfield 7 Mass
Winona Tool Mfg Co 1430 W Broadway Winona Minn

CRAWLER TRACTORS—See Tractors, Crawlers

CREEPERS, Mechanic

Balcrank Inc Disney St (near Marburg) Cincinnati 9 Ohio
Lisle Corp 809 E Main St Clarinda Iowa
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis

CURRENT & VOLTAGE REGULATORS—See Regulators
CUSHIONS, SEAT—See Seats, Truck or Bus
CUTTERS, TUBING—See Tubing Cutters
CYLINDER BLOCK SEALERS—See Radiator Sealing Compounds

CYLINDER BONDING MACHINES (For Cracked Blocks)

K & W Products Inc 8319 Allport Ave Whitier Calif
Mercury Electric Corp 2311 Tauromee Ave Kansas City Mo
Mogulois Co of America 3520 W Carroll Ave Chicago 24 Ill

CYLINDER BORING BARS—See Boring Bars
CYLINDER COMPRESSION GAGES—See Compression Gages
CYLINDER DE-GLAZERS—See De-Glazers
CYLINDER GAGES—See Dial Indicator Gages or Micrometers

CYLINDER HONES

Ammco Tools Inc 2100 Commonwealth Ave North Chicago Ill
BARRETT EQUIPMENT CO 2101 Cass Ave St Louis 6 Mo
EIS AUTOMOTIVE CORP N Main & High Sts Middletown Conn
Hall Toledo Inc 2931 South Ave Toledo 9 Ohio
HASTINGS MFG CO N Hanover St Hastings Mich
HERBRAND DIV Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio

REMEMBER: Vehicle makers offer parts and components for their own vehicles. Generally it is not possible to list them under all the product headings involved. Also many makers have a line of reconditioned (by qualified local rebuilders) parts and components, and some supply parts and components for other makers' vehicles. Vehicle makers who have a separately named division for handling parts and components are listed under the heading "Replacement Parts". Otherwise the address is as shown under the appropriate vehicle heading. For example, "Trucks" or "Trailers".

Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
Lisle Corp 809 E Main St Clarinda Iowa
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Storm-Vulcan Inc 2225 Burbank St Dallas 35 Tex
Sunnen Products Co 7910 Manchester Ave St Louis 17 Mo
UNITED PARTS DIV Echlin Mfg Co 1250 W Van Buren St Chicago 7 Ill
WAGNER ELECTRIC CORP 6470 Plymouth Ave St Louis 33 Mo
Wilson Inc K R Arcade N Y

CYLINDER LINERS (Sleeves)

ALLIED AUTOMOTIVE PARTS CO 1450 E 19th St Indianapolis 7 Ind
ALUMINUM INDUSTRIES INC 3670 Werk Rd Cincinnati 11 Ohio
Campbell Wyant & Cannon Foundry Co Muskegon Mich
DELCO MORAINE DIV General Motors Corp 1420 Wisconsin Blvd Dayton 1 Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
G N ENGINE PARTS DIV First Nat'l Bank Bldg St Paul 1 Minn
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis Mo
Ohio Piston & Machinery Co 11786 Superior Ave N E Cleveland 6 Ohio
SEALED POWER CORP 2001 Sanford St Muskegon Heights Mich
THOMPSON PRODUCTS MICHIGAN DIV Thompson Ramo Wooldridge Inc 34201 Van Dyke Ave Warren Mich
Toledo Steel Products Div Thompson Ramo Wooldridge Inc 6402 Cedar Rd Cleveland 3 Ohio

CYLINDER LINER (SLEEVE) PULLERS—See Pullers
CYLINDER LUBRICATORS—See Lubricators, Upper Cylinder
CYLINDER RIDGE REAMERS—See Ridge Reamers

DECALCOMANIAS

Allied Decals Inc 20707 Miles Ave Cleveland 28 Ohio
American Decalcomania Co 4544 W 5th Ave Chicago 24 Ill
MEYERCORD CO 5323 W Lake St Chicago 44 Ill
Mulholland-Harper Co 5800 Tacony St Philadelphia 24 Pa
Ohio Decalcomania Co Excello Specialty Div 4103 E 100th St Cleveland 5 Ohio
Palm Bros Decalcomania Co 3736 Regent St Cincinnati Ohio
Palm Fechteler Co 85-99 Maple St Weehawken N J
PERMALUX CO 500 Rathbone Ave Aurora Ill
Screen Process Printing Co P O Box 948 Wichita 1 Kans

DEFROSTING FANS—See Fans, Defrosting

Announcing two new gasolines

Mobil Premium

with the highest Megatane

Megatane Rates The Qualities Of Today's Ideal Gasoline . . . For Total Performance In All Engines . . . Under All Operating Conditions

OCTANE RATING measures only 2 of the things needed in a gasoline . . . 2 very important qualities dealing with anti-knock. Many gasolines are high in Octane but lacking in many of the other brilliant advances made by petroleum technology. These advances truly give cleaner engines, quicker starting, less stalling, more mileage and power.

Megatane Measures Total Performance

Mobil engineers now measure and express gasoline quality in a rating system which enables you to judge *not just Octane but the total performance of your gasoline.*

This new rating system is called *Megatane.* It includes Octane, of course, but goes far beyond Octane to measure not just 2, but all 21, of the qualities that Mobil engineers believe should be found in today's ideal gasoline.*

Mobil Gets Highest Megatane Ratings

Of course, the ideal Megatane rating of 21 has not yet been achieved by anyone . . . not even Mobil. But you will find new Mobil Premium rates higher on the Megatane scale (19 out of 21) than any leading Premium. New Mobil Regular, with 16 out of 21, rates higher than any leading Regular gasoline.

Of particular interest to operators of fleets are these extra-quality features of Mobil Regular . . . a *fuel system detergent* that checks build-up of carburetor throat deposits . . . *high volatility* combined with *butane primer* for faster starting and quicker engine response . . . *uniform Octane distribution* to give greater anti-knock protection, especially in manual transmission vehicles with in-line engines . . . *anti-oxidant* and *metal deactivator* for protection against intake valve sticking . . . *anti-rust protection* to prevent rusting of fuel systems, a cause of carburetor flooding and filter plugging.

For additional information regarding the new Megatane Rating System and how it ties in with the Mobil Program for Fleets, call your Mobil Representative or write: Mobil Oil Company, 150 East 42nd Street, New York 17, New York.

. . .

Mobil Regular

ratings of any leading gasolines

***THE MEGATANE RATING SCALE**

(Qualities and Benefits in Today's Ideal Gasoline)

QUALITY		BENEFIT	QUALITY		BENEFIT
1 High volatility	†√	Instant power for safety	12 Anti-rust	†√	Controls carburetor flooding
2 High energy	†√	Extra mileage bonus	13 Metal deactivator	†√	Blocks gum formation
3 Weather conditioned blends	†√	Perform best in local climates	14 Vapor lock control	†√	No power fade out
4 Spark plug deposit modifier	†	Long spark plug life	15 Anti-oxidant	†√	Checks intake valve sticking
5 Combustion deposit modifier	†	Precise firing	16 Low distillation end point	†√	Clean burning
6 Uniform octane distribution	†√	Extra anti-knock protection	17 Fuel system detergent	†√	Clean carburetor efficiency
7 Butane primer	†√	Quick starting	18 Low sulfur	†√	Long muffler life
8 Metallic deposit removers	†√	Long exhaust valve life	19 Intake deposit control	†√	Clean intake system
9 High road octane	†	No knock performance	20 Fuel line anti-freeze		Stops fuel line freeze-up
10 Non caustic	†√	Long fuel filter life	21 Low mercaptan count	†√	No objectionable odor
11 Carburetor deicing		Combats stalling			

†Mobil Premium √Mobil Regular

Mobil

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Mobil Program For Fleets

DE-GLAZERS, Cylinder

Ammco Tools Inc 2100 Commonwealth Ave North Chicago Ill
G N ENGINE PARTS DIV First Nat'l Bank Bldg St Paul 1 Minn
Hall Toledo Inc 2931 South Ave Toledo 9 Ohio
HASTINGS MFG CO N Hanover St Hastings Mich
HERBRAND DIV Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
Lisle Corp 809 E Main St Clarinda Iowa
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Storm-Vulcan Inc 2225 Burbank St Dallas 35 Tex

DEGREASERS, METAL PARTS—See Cleaning Machines
DEGREASING COMPOUNDS—See Cleaning Compounds & Solvents
DEPRESSORS, BRAKE PEDAL—See Brake Pedal Depressors
DERRICKS—See Cranes, Crawler & Truck Mounted
DETECTORS, CARBON MONOXIDE—See Alarms, Carbon Monoxide
DETERGENTS, VEHICLE WASHING—See Cleaning Compounds & Solvents

DIAL INDICATOR GAGES

Ames Co B C 12 Ames St Waltham 54 Mass
BARRETT EQUIPMENT CO 2101 Cass Ave St Louis 6 Mo
Brown & Sharpe Mfg Co 235 Promenade St Providence R I
Hall Toledo Inc 2931 South Ave Toledo 9 Ohio
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
Partlow Corp The 244 Champion Rd New Hartford N Y
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Starrett Co L S 1 Crescent St Athol Mass
Sunnen Products Co 7910 Manchester Ave St Louis 17 Mo

DIESEL ENGINES—See Engines, Diesel

DIESEL EQUIPMENT TESTERS, Truck & Bus

Allis-Chalmers Mfg Co Engine Material Handling Div 1135 S 70th St Milwaukee Wis
BACHARACH INDUSTRIAL INSTRUMENT CO 200 N Braddock Ave Pittsburgh 8 Pa
BOSCH CORP ROBERT 40-25 Crescent St Long Island City 1 N Y
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
MAGNAFLUX CORP 7308 W Lawrence Ave Chicago 31 Ill

DIESEL FUEL—See Fuels, Gasoline & Diesel
DIESEL FUEL ADDITIVES—See Additives, Fuel & Oil
DIESEL FUEL PUMPS—See Fuel Pumps, Diesel
DIESEL INJECTORS—See Injectors, Fuel
DIESEL TRUCKS—See Trucks
DIESEL STARTING FLUID—See Starting Fluid or Primers, Engine
DIFFERENTIAL RING GEARS & PINIONS—See Axle Ring Gears & Pinions
DIMMER SWITCHES—See Switches, Dimmer

DIRECTIONAL SIGNALS & PARTS

ANTHES DIV Gleason Corp 325 N Plankinton Ave Milwaukee Wis
ARROW SAFETY DEVICE CO Holman St Mt Holly N J
AUTO LAMP MFG CO 2909 S Indiana Ave Chicago 16 Ill
BETTS MACHINE CO 1800 Pennsylvania Ave W Warren Pa
Bolser Corp 27th & Main Sts Cedar Falls Iowa
BOSCH CORP ROBERT 4-25 Crescent St Long Island City 1 N Y
Cole-Hersee Co 20 Old Colony Ave Boston 27 Mass
Columbus Metal Products Box 567 Columbus 16 Ohio
DIETZ CO R E 225 Wilkinson St Syracuse 1 N Y
Do-Ray Lamp Co Inc 1458 S Michigan Ave Chicago 5 Ill
GENERAL ELECTRIC CO Miniature Lamp Dept Noble Rd Nela Park Cleveland 12 Ohio
Griffin Lamp Co Shelby Miss
GROTE MFG CO State Route 2 Madison Ind
GUIDE LAMP DIV General Motors Corp P O Box 1090 Anderson Ind
Holan Corp 4100 W 150th St Cleveland 35 Ohio
Ideal Corp 435 Liberty Ave Brooklyn 7 N Y (Flashers)
K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio
KING BEE MFG CO 2600 Washington Blvd Bellwood Ill
MACCHI & CO 819 Valencia St San Francisco 10 Calif (Flashers)
Miro-Flex Co 1824 E 2nd St Wichita 14 Kans (Switches)
SIGNAL-STAT CORP 523-539 Kent Ave Brooklyn 11 N Y
Sparton Automotive Div Sparton Corp Jackson Mich
Speaker Corp J W 3059 N Weil St Milwaukee 12 Wis
TUNG-SOL ELECTRIC INC 95 Eighth Ave Newark 4 N J
WEATHERHEAD CO 300 E 131st St Cleveland 8 Ohio (Switches)
YANKEE METAL PRODUCTS CORP 25 Grand St Norwalk Conn

DISCS, ABRASIVES—See Sandpaper
DISPENSERS, GREASE—See Lubricators
DISTRIBUTORS, IGNITION—See Ignition Distributors

DISTRIBUTOR PARTS—See Ignition Parts
DISTRIBUTOR TESTERS—See Ignition Distributors Testers
DIVIDERS—See Calipers & Dividers
DOCK BUMPERS—See Bumpers, Dock

DOCK RAMPS

Brooks & Perkins Inc 1912 W Fort St Detroit 16 Mich
Cemco Industries Inc Galion Ohio
Freightliner Corp 5400 N Basin Ave Portland 11 Ore
Globe Hoist Co E Mermaid Lane & Queen St Philadelphia 18 Pa
Herman Co Karl A 412 Fuller St N E Grand Rapids Mich
Jarke Mfg Co 6335 Howard St Chicago Ill
KAPPEN SALES CO 1238-J Enquirer Bldg Cincinnati 2 Ohio
Langensenkamp Co F H Materials Handling Div 229 E South St Indianapolis Ind
Magline Inc 952 Murry Rd Pinconning Mich
Rotary Lift Co 1054 Kansas St Memphis 2 Tenn

DOLLIES, AXLE—See Axle Dollies
DOLLIES, TRANSMISSION—See Jacks, Transmission
DOLLIES, WHEEL—See Wheel Dollies
DOME LAMPS—See Lamps, Back-up, Clearance, etc.
DOOR OPENERS (BUS)—See Bus Door Motors

DOORS, Overhead, Garage

Barber-Colman Co 1300 Rock St Rockford Ill
Better-Bilt Door Co Egg Harbor City N J
KINNEAR MFG CO 2100 Fields Ave Columbus 16 Ohio
MAHON CORP R C 6565 E Eight Mile Rd at Sherwood Detroit 34 Mich
MORRISON STEEL PRODUCTS INC 601 Amherst St Buffalo 7 N Y
OVERHEAD DOOR CORP Mobile Door Div Hartford City Ind

DOORS, Overhead, Truck & Trailer

Barber-Colman Co 1300 Rock St Rockford Ill
Hackney & Sons J A 400 Hackney Ave Washington D C
Hobbs Trailer Div Fruehauf Trailer Co 609 N Main St Ft Worth 1 Tex
KINNEAR MFG CO 2100 Fields Ave Columbus 16 Ohio
MORRISON STEEL PRODUCTS INC 610 Amherst St Buffalo 7 N Y
OVERHEAD DOOR CORP Mobile Door Div Hartford City Ind
Polar Hardware Mfg Co 3882 Lawrence Ave Chicago 25 Ill
Standard Carriage Works Inc 4120 Bandini Blvd Los Angeles 23 Calif
Truk-A-Door Co 33 Henry St Detroit 1 Mich
Van Guard Truck Door Div Allied Metals Inc 14 Hamilton St New London Conn
WHITING MFG INC 113 Cedar St Akron N Y

DRAIN PLUGS, Magnetic

Engine Accessories Mfg Co 5801 E Beverly Blvd Los Angeles 22 Calif
Lisle Corp 809 E Main St Clarinda Iowa

DRILLS, Portable Electric

ALBERTSON & CO INC 3100 Lowell Ave Sioux City 3 Iowa
BLACK & DECKER MFG CO 629 Pennsylvania Ave Towson 4 Md
CHICAGO PNEUMATIC TOOL CO 8 E 44th St New York 17 N Y
Cummins Portable Tools Div John Oster Mfg Co 5055 N Lydell Ave Milwaukee 17 Wis
INGERSOLL-RAND CO 11 Broadway New York 4 N Y
Lee Co K O 110 First Ave Aberdeen S D
Millers Falls Co 57 Wells Greenfield Mass
Porter-Cable Machine Co 700 Marcelles St Syracuse 4 N Y
Skil Corp 5033 Elston Ave Chicago 30 Ill
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Stanley Electric Tools Div Stanley Works 480 Myrtle Ave New Britain Conn
Thor Power Tool Co 175 N State St Aurora Ill
Wen Products Inc 5810 Northwest Highway Chicago 31 Ill

DRILLS, Portable Pneumatic

Aro Equipment Corp Bryan Ohio
CHICAGO PNEUMATIC TOOL CO 8 E 44th St New York 17 N Y
Gardner-Denver Co S Front St Quincy Ill
INGERSOLL-RAND CO 11 Broadway New York 4 N Y
Thor Power Tool Co 175 N State St Aurora Ill

DRILL PRESSES

ALBERTSON & CO INC 2801 Floyd Blvd Sioux City 2 Iowa
South Bend Lathe Inc 425 E Madison St South Bend 22 Ind
Thor Power Tool Co 175 N State St Aurora Ill

DRIVE AXLES, FRONT—See Axles, Front Drive

DRIVER TESTING & TRAINING EQUIPMENT

AETNA CASUALTY & SURETY CO ("Drivotron") Hartford 15 Conn
Allgaier Earl 4004 5th Rd North Arlington Va
Hanson Co Harvey E 120 W Commercial St Paw Paw Mich
Port-Clinic Instruments Inc 298 Broadway New York 7 N Y
Rockwell Mfg Co ("Drivotrainer") 411 N Lexington Ave Pittsburgh 8 Pa

DRIVES, V-BELT—See Axles, Belt Drive Adapters
DRUM GAGES, BRAKE—See Brake Drum Gages
DRUMS, BRAKE—See Brake Drums
DRYING LAMPS—See Lamps, Drying, Baking & Heating
DUMP BODY ANGLE INDICATORS—See Indicators
DUMP TRUCKS—See Trucks, Dump, Construction & Off-Highway and Bodies, Dump

DYNAMOMETERS, Chassis

CLAYTON MFG CO 433 N Temple City Blvd El Monte Calif
Maxwell Dynamometer Co 610 E Barnard St West Chester Pa
Mid-West Dynamometer & Engineering Co 3100 River Rd River Grove Ill

DYNAMOMETERS, Engine

CLAYTON MFG CO 433 N Temple City Blvd El Monte Calif
Eaton Mfg Co Dynamatic Div 3122 14th Ave Kenosha Wis
General Electric Co Apparatus Sales Div 1 River St Schenectady 5 N Y
Mid-West Dynamometer & Engrg Co 3100 River Rd River Grove Ill
Toledo Scale Div Toledo Scale Co Telegraph Rd Toledo 12 Ohio
Westinghouse Electric Corp 3 Gateway Center P O Box 2278 Pittsburgh 3 Pa

ELECTRIC TEST BENCHES—See Testers, Electrical
ELECTRIC TOOLS & EQUIPMENT—See Product Desired
ELEVATING TAILGATES—See Tailgates, Elevating
EMERGENCY BRAKES—See Brakes, Parking
EMERY CLOTH—See Sandpaper
ENAMELS—See Paints

ENGINES

ENGINES, Diesel

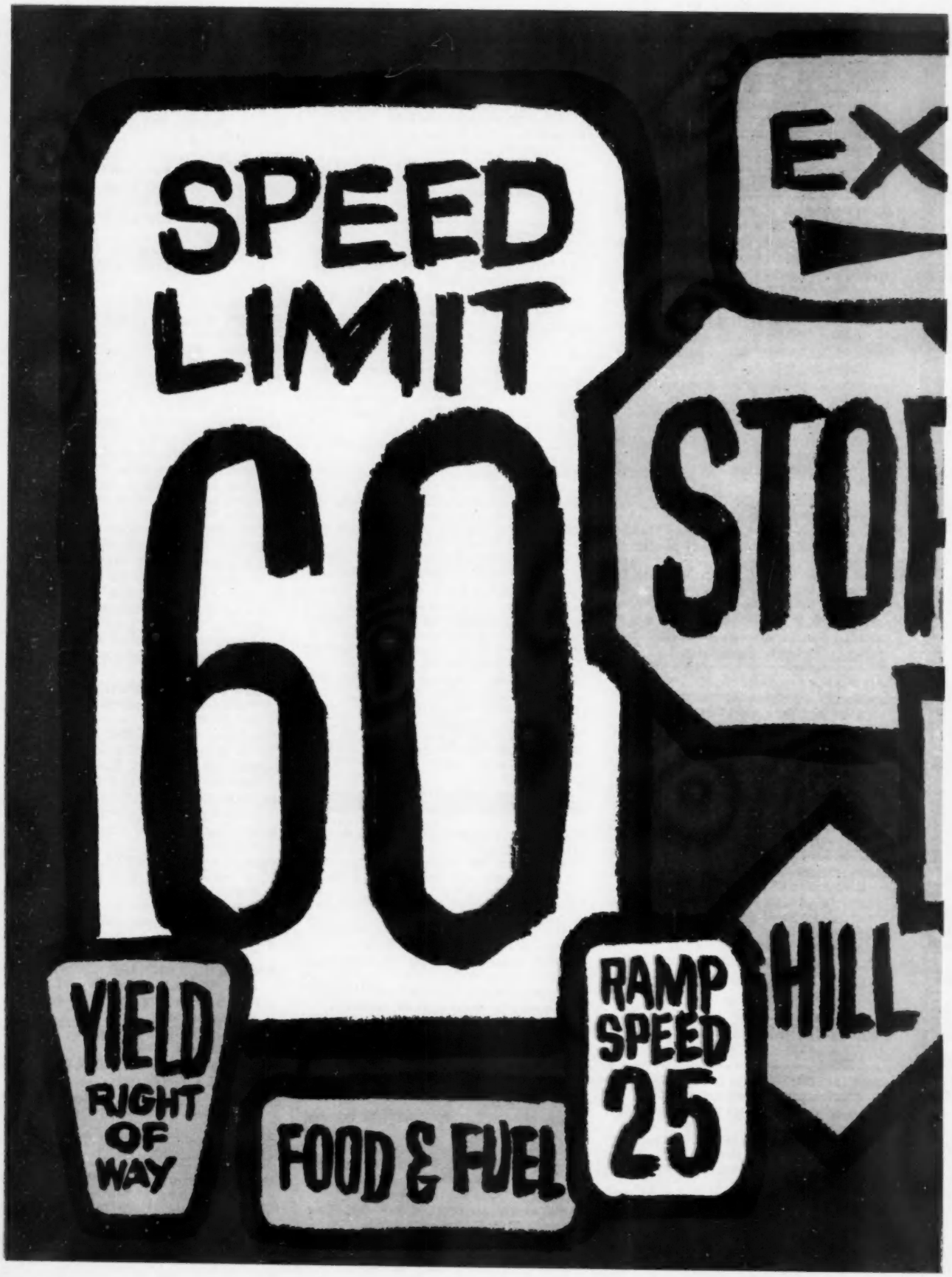
Allis-Chalmers Mfg Co 1135 S 70th St Milwaukee 1 Wis
Buessing Pacific Corp PO Box 872 Belmont Cal
Caterpillar Tractor Co 600 W Washington St Peoria 8 Ill
Cerlist Diesel Inc 1709 N Church St Burlington N C
CONTINENTAL MOTORS CORP 205 Market St Muskegon 82 Mich
CUMMINS ENGINE CO INC 1000 Fifth St Columbus Ind
Curtiss-Wright Corp Utica Mich
DAIMLER-BENZ of NORTH AMERICA INC 126-56 Northern Blvd Flushing Long Island N Y
DETROIT DIESEL ENGINE DIV General Motors Corp 13400 Outer Dr Detroit 28 Mich
Diesel Energy Corp (Deutz) 143 Liberty St New York 6 N Y
Fageol Co Box 328 Kent Ohio
HERCULES MOTORS CORP 101 Eleventh St S E Canton 2 Ohio
INTERNATIONAL HARVESTER CO 180 N Michigan Ave Chicago 1 Ill
ISUZU MOTOR CO LTD 649 S Olive St Los Angeles 14 Calif
Leyland Motors (USA) Inc 32 E 57th St New York 22 N Y
MACK TRUCKS INC 1355 W Front St Plainfield N J
P & H DIESEL ENGINE DIV Harnsichfeger Corp Crystal Lake Ill
VOLVO IMPORT INC Truck Div 357 Wilson Ave Newark 5 N J
WAUKESHA MOTOR CO W St Paul Ave Waukesha Wis
White Diesel Engine Div White Motor Co 1401 Sheridan Ave Springfield Ohio

ENGINES, Gasoline (Truck & Bus)

Aircooled Motors Inc Liverpool Rd Syracuse 8 N Y
Allis-Chalmers Mfg Co Engine Material Handling Div 1135 S 70th St Milwaukee 1 Wis
BROCKWAY MOTOR TRUCKS DIV of Mack Trucks Cortland N Y
CHEVROLET DIV General Motors Corp General Motors Bldg Detroit 2 Mich
CLIMAX ENGINE MFG CO Div of Waukesha Motor Co W St Paul Ave Waukesha Wis
CONTINENTAL MOTORS CORP 205 Market St Muskegon 82 Mich
DIAMOND T MOTOR TRUCK CO 4401 W 26th St Chicago 23 Ill
DODGE CAR & TRUCK DIV Chrysler Corp 7900 Joseph Campau Ave Detroit 31 Mich
Fageol Co Box 328 Kent Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
GMC TRUCK & COACH DIV General Motors Corp 660 South Blvd E Pontiac 11 Mich
Hall-Scott Div Hercules Motors Corp 101 Eleventh St S E Canton 2 Ohio
HERCULES MOTORS CORP 101 Eleventh St S E Canton 2 Ohio
INTERNATIONAL HARVESTER CO 180 N Michigan Ave Chicago 1 Ill
MACK TRUCKS INC 1355 W Front St Plainfield N J
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
REO DIV White Motor Co 1331 S Washington Ave Lansing 20 Mich
ROILINE DIV Waukesha Motor Co W St Paul Ave Waukesha Wis
STUDEBAKER-PACKARD CORP 635 S Main St South Bend 27 Ind
WAUKESHA MOTOR CO W St Paul Ave Waukesha Wis
WHITE MOTOR CO 842 E 79th St Cleveland 1 Ohio
WILLYS MOTORS INC 940 N Cove Blvd Toledo 1 Ohio
Wisconsin Motor Corp 3165 N 30th St Milwaukee 16 Wis

ENGINES, Gasoline, Small

Briggs & Stratton Corp 2711 N 13th St Milwaukee 1 Wis
Clinton Engines Corp Maple & Clark Sts Maquoketa Iowa
CONTINENTAL MOTORS CORP 205 Market St Muskegon 82 Mich


SPEED
LIMIT
60
EX
STOP
HILL
YIELD
RIGHT
OF
WAY
FOOD & FUEL
RAMP
SPEED
25

Pocket a profit on every stop

Get extra miles of braking at lower cost with J-M Brake Blocks

J-M builds a "bonus" of thousands of miles of *extra* wear . . . thousands of safe, *extra* stops . . . into every set of J-M Brake Blocks.

They are rugged and sturdy. They deliver uniform friction balance on all four wheels, regardless of weight loading, temperature or moisture conditions. J-M Brake Blocks recover fast . . . maintain stable friction at a level that helps you get the most mileage out of brake drums.

For more than 50 years Johns-Manville has specialized in the compounding, moulding and press-curing of friction materials. This is the reason why so many fleet owners know they can depend on J-M Brake Blocks to build driver confidence because of positive braking effectiveness . . . help maintain shipping schedules, hit and hold required speeds. How about you?

TAKE ADVANTAGE OF THESE SPECIAL FEATURES, TOO!

COLOR CODING – No chance of installation errors with these color-coded brake blocks. Simply by following the color-coding chart for each vehicle, your mechanics can install the right blocks in the right spot in a hurry.

ADVISORY SERVICE – Let a J-M expert help you get the most from your brake blocks. He will survey your fleet, and will recommend the exact friction, or combination of frictions, you need.

AVAILABILITY – No need to carry a heavy inventory when you can count on speedy delivery from your J-M Distributor. Full information from Johns-Manville, Brake Advisory Service, Box 359, New York 16, N. Y. In Canada: Port Credit, Ontario.

COLOR-CODED FOR EASY IDENTIFICATION!

Style No. 2500 RED
—high friction range for Trucks

Style No. 2300 YELLOW
—medium friction range for Buses

Style No. 2100 GREEN
—low friction range for longest life

JOHNS-MANVILLE BRAKE BLOCKS

JOHNS-MANVILLE JM PRODUCTS

More details? Circle 158 on reply card inside back cover

ENGINES, Gasoline Small—cont'd

Cushman Motor Works Inc 920 N 21st St Lincoln Nebr
Fairbanks Morse & Co 600 S Michigan Ave Chicago 5 Ill
KOHLER CO Kohler Wis
Lauson Engine Div Tecumseh Products Co New Holstein Wis
McCulloch Motors Corp 6101 W Century Blvd Los Angeles 45 Calif
Onan & Sons Inc D W University Ave S E at 25th St Minneapolis 14 Minn
WAUKESHA MOTOR CO W St Paul Ave Waukesha Wis
Wisconsin Motor Corp 3165 N 30th St Milwaukee 16 Wis

ENGINES, LP Gas

Allis-Chalmers Mfg Co 1135 S 70th St Milwaukee 1 Wis
CLIMAX ENGINE MFG CO Div of Waukesha Motor Co W St Paul Ave Waukesha Wis
CONTINENTAL MOTORS CORP 205 Market St Muskegon 82 Mich
HERCULES MOTORS CORP 101 Eleventh St S E Canton 2 Ohio
INTERNATIONAL HARVESTER CO 180 N Michigan Ave Chicago 1 Ill
Onan & Sons Inc D W University Ave S E at 25th St Minneapolis 14 Minn
REO DIV White Motor Co 1331 S Washington Ave Lansing 20 Mich
ROILINE DIV Waukesha Motor Co W St Paul Ave Waukesha Wis
WAUKESHA MOTOR CO W St Paul Ave Waukesha Wis
Wisconsin Motor Corp 3165 N 30th St Milwaukee 16 Wis

ENGINE ANALYZERS—See Analyzers

ENGINE BALANCERS

BEAR MFG CO 2016 Fifth Ave Rock Island Ill
STEWART-WARNER CORP Instrument Div 1840 Diversey Parkway Chicago 14 Ill

ENGINE GOVERNORS—See Governors
ENGINE HEATERS, PREHEATING—See Heaters, Engine, Preheating
ENGINE REPAIR SERVICES—See Reconditioned Components
ENGINE REPAIR STANDS—See Stands, Engine
ENGINE SUPPORTS—See Mountings, Insulated, Rubber
EXCHANGERS, HEAT—See Heat Exchangers
EXHAUST BRAKES—See Brakes, Compression Exhaust and Retarders, Brake
EXHAUST FANS—See Exhaust Fans and Ventilators, Exhaust Gas
EXHAUST GAS ANALYZERS—See Analyzers
EXHAUST GAS INDICATORS—See Alarms, Carbon Monoxide
EXHAUST GAS REMOVING SYSTEMS—See Ventilators, Exhaust Gas
EXHAUST MANIFOLDS—See Manifolds

EXHAUST & TAIL PIPES

A P Parts Corp 1801 Spielbusch Ave Toledo 1 Ohio
ALEXANDER-TAGG INDUSTRIES INC Jacksonville Rd & Summit Ave Hatboro Pa
Arvin Industries Inc 1531 13th St Columbus Ind
De Koven Mfg Co 1201 Michigan Blvd Racine Wis
EVERHOT MFG CO 57 S 19th Ave Maywood Ill
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Goerlich's 619 Smith St Toledo 1 Ohio
Haviland Co Arnold 1008 S Jackson St Defiance Ohio
McCord Corp Riopelle at E Grand Blvd Detroit 11 Mich
Maremount Muffler Div Maremount Corp 168 N Michigan Ave Chicago 1 Ill
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Powell Muffler Co 4235 W 42nd Pl Chicago 32 Ill
Pratt Muffler Div Mar Pro Inc 168 N Michigan Ave Chicago 1 Ill
RIKER MFG INC 4901 Stickney Ave Toledo 12 Ohio
Walker Mfg Co of Wis 1201 Michigan Blvd Racine Wis

EXHAUST SMOKE METERS

BACHARACH INDUSTRIAL INTRUMENT CO 200 N Braddock Ave Pittsburgh 8 Pa
BOSCH CORP ROBERT 4-25 Crescent St Long Island City 1 N Y

EXPANDERS, PISTON RING—See Piston Ring Expanders
EXPANDERS, PISTON SKIRT—See Piston Skirt Expanders
EXPANDERS, TUBELESS TIRE BEAD—See Tire Service Equipment
EXTINGUISHERS, FIRE—See Fire Extinguishers

FABRICS, Coated Cloth

Bemis Bros Bag Co 111 N Fourth St Box 79 St Louis 2 Mo
Du Pont de Nemours & Co E I Fabric Div Fairchild Conn
East Akron Tarpaulin & Awning Co 1048 Bank St Akron 5 Ohio
GOODRICH INDUSTRIAL PRODUCTS CO B F 500 S Main St Akron 18 Ohio
Haartz-Mason Inc 270 Pleasant St Watertown Mass
REEVES VULCAN 1071 Ave of the Americas New York 18 N Y
Textileather Div General Tire & Rubber Co 607 Madison Ave Toledo 3 Ohio
United States Plywood Corp Weldwood Bldg 55 W 44th St New York 36 N Y
WELLINGTON SEARS CO INC 111 W 40th St New York 18 N Y

FABRICS, Uniform

LEE CO H D 117 W 20th St Kansas City 41 Mo
REEVES VULCAN 1071 Ave of the Americas New York 18 N Y
WELLINGTON SEARS CO INC 111 W 40th St New York 18 N Y

FACINGS, CLUTCH—See Clutch Facings

FANS

FANS (Cooling System)

EATON MFG CO Heater Div E 65th St & Central Ave Cleveland 4 Ohio
EVERHOT MFG CO 57 S 19th Ave Maywood Ill
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
PARISH PRESSED STEEL DIV Dana Corp Box 1422 Reading Pa
SCHWITZER CORP 1100 Massachusetts Ave Indianapolis 7 Ind
Thompson Ramo Wooldridge Inc Valve Div 1445 E 185th St Cleveland 10 Ohio
Warner Electric Brake & Clutch Co Beloit Wis

FANS, Defrosting

Casco Products Corp 512 Hancock Ave Bridgeport 2 Conn
EVANS PRODUCTS CO Heating & Ventilating Div 13101 Eckles Rd Plymouth Mich
EVERHOT MFG CO 57 S 19th Ave Maywood Ill
Huppower Div Hupp Corp 7450 Melville St Detroit 17 Mich
KYSOR HEATER CO 1100 W Wright St Cadillac Mich

FANS, Exhaust

Binks Mfg Co 3114-44 W Carroll Ave Chicago 12 Ill
Champion Blower & Forge Co Harrisburg Ave & Charlotte St Lancaster Pa
De Vilbiss Co 300 Phillips Ave Toledo 1 Ohio
Emerson Electric Mfg Co 8100 Florissant Ave Detroit 31 Mich
Huppower Div Hupp Corp 7450 Melville St Detroit 17 Mich
KYSOR HEATER CO 1100 W Wright St Cadillac Mich

FAN BELTS

DAYCO Corp Rubber Products Div 200 N Janice Ave Melrose Park Ill
Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn
Firestone Industrial Products Co Noblesville Ind
FIRESTONE TIRE & RUBBER CO 1200 Firestone Parkway Akron 17 Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich

GATES RUBBER CO 999 S Broadway Denver 17 Colo
GOODYEAR TIRE & RUBBER CO 1144 E Market St Akron 16 Ohio
GREY-ROCK DIV Raybestos - Manhattan Inc 12 E Stiegal St Manheim Pa
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Rawhide Products Co Michigan Ave Kenilworth N J
REEVES BROS INC Vulcan Rubber Products Div 1071 Ave of the Americas New York 18 N Y
THERMOID DIV Porter Co H K 200 Whitehead Rd Trenton 6 N J
UNITED STATES RUBBER CO Rockefeller Center 1230 Ave of the Americas New York 20 N Y

FAN BELT TENSION GAGES

Borroughs Tool & Equipment Corp 2429 N Burdick St Kalamazoo Mich

FASTENERS, Sheet Metal

Carr Fastner Co 31 Ames St Cambridge 42 Mass
Champ-Items Inc 6191 Maple Ave St Louis 30 Mo.
Chase Brass & Copper Co 236 Grand St Waterbury 20 Conn
DORMAN PRODUCTS INC 5757 Mariemont Ave Cincinnati 27 Ohio
General Tire & Rubber Co Industrial Products Div Wabash Ind
Huck Mfg Co 2480 Bellevue Ave Detroit 7 Mich
LAMSON & SESSONS CO 5000 Tiedeman Rd Cleveland 9 Ohio
SOUTHCO DIV South Chester Corp 228 Industrial Hwy Lester Pa
Star Expansion Industries Corp Mountainville N Y
Townsend Co Box 71-E Ellwood City Pa

FELT, INSULATING—See Insulation
FENDER FLAPS—See Splash Guards
FENDER LAMPS—See Lamps

FIFTH WHEELS (Semi Trailer)

AMERICAN STEEL FOUNDRIES 3761 Canal St East Chicago Ind
Austin Trailer Equipment Co 1148 W Western Ave Muskegon Mich
BARTLETT TRAILER CORP 3080 Archer Ave Chicago 8 Ill
Binkley Co Warrenton Mo
Bound Brook Safety Equipment Co Lincoln Blvd Bound Brook N J
BROWN TRAILER DIV Clark Equipment Co Box 410 Michigan City Ind
Carnegie Body Co 6115 Carnegie Ave Cleveland 3 Ohio
Cemco Industries Inc Galion Ohio
DAYTON STEEL FOUNDRY P O Box 1022 1366 Miami Chapel Rd Dayton 1 Ohio
Felburn-Kingham Div 1409 W Hill St Louisville 10 Ky
FONTAINE TRUCK EQUIPMENT CO INC 1232 N 37th Pl Birmingham 1 Ala
FRUEHAUF TRAILER CO 10940 Harper Ave Detroit 32 Mich
Highway Trailer Industries Inc 250 Park Ave New York N Y
Holland Hitch Co 430 W 18th St Holland Mich
Industrial Steel Tank & Body Works Inc 2533 Fourth St Berkeley 10 Calif
INERTIA-MATIC INC (Mounting Only) 155 Arlington St Watertown Mass
PAGE & PAGE CO 0605 S W Curry St Portland 1 Ore
Pollard Co C E 14571 Schaefer Rd Detroit 27 Mich
SNYDER TANK CORP P O Box 14 Buffalo 5 N Y
Spencer-Safford Loadcraft Inc Augusta Kans
Tec Div Heil Co 1285 W 70th St Cleveland 2 Ohio
TRAILMOBILE INC 31st & Robertson Ave Cincinnati 9 Ohio
Weber Trailer & Mfg Co 8400 E Clauson Pico Rivera Calif
Western Unit Corp 17747 E Railroad St City of Industries Calif

FIFTH WHEELS, Hydraulic

AMERICAN STEEL FOUNDRIES Indiana Harbor Works 3761 Canal St East Chicago Ind
BARTLETT TRAILER CORP 3080 Archer Ave Chicago 8 Ill
Cemco Industries Inc Galion Ohio
FONTAINE TRUCK EQUIPMENT CO INC 1232 N 37th Pl Birmingham 1 Ala
Pollard Co C E 14571 Schaefer Rd Detroit 27 Mich
Tec Div Heil Co 1285 W 70th St Cleveland 2 Ohio

FILLERS—See Body Repair Compounds
FILTERS, AIR—See Air Cleaners
FILTERS, COOLANT—See Cooling System Filters
FILTERS, DIESEL—See Fuel Filters, Diesel
FILTERS, GASOLINE—See Fuel Filters, Gasoline
FILTERS, LP GAS—See Fuel Filters, LP Gas
FILTERS, OIL—See Oil Filters
FILTERS, TRANSMISSION OIL—See Oil Filters, Transmission
FIRE ENGINES (TRUCKS)—See Trucks, Fire Apparatus

FIRE EXTINGUISHERS, Portable

American La France Div Sterling Precision Corp 100 E La France St Elmira N Y
Ansul Chemical Co Fire Extinguisher Div Marinette Wis
ANTHES DIV Gleason Corp 325 N Plankinton Ave Milwaukee Wis
ARROW SAFETY DEVICE CO Holman St Mt Holly N J
Bolser Corp 27th & Main Sts Cedar Falls Iowa
DIETZ CO R E 225 Wilkinson St Syracuse 1 N Y
Fyr-Fyter Co Portable Fire Equipment Div 221 Crane St Dayton 1 Ohio
General Fire Extinguisher Corp 6801 Rising Sun Ave Philadelphia 11 Pa
Industrial Steel Tank & Body Works Inc 2533 Fourth St Berkeley 10 Calif
KIDDE & CO INC WALTER 612 Main St Belleville 9 N J
SPRAY PRODUCTS CORP P O Box 1988 Camden 1 N J
YANKEE METAL PRODUCTS CORP 25 Grand St Norwalk Conn

FITTINGS, TUBE—See Tube Fittings
FLAPS, MUD GUARD—See Splash Guards

FLARES, Emergency

ANTHES DIV Gleason Corp 325 N Plankinton Ave Milwaukee Wis
ARROW SAFETY DEVICE CO Holman St Mt Holly N J
Bolser Corp 27th & Main Sts Cedar Falls Iowa
Delbar Products Inc 7th & Spruce Sts Perkasie Pa
DIETZ CO R E 225 Wilkinson St Syracuse 1 N Y
Do-Ray Lamp Co Inc 1458 S Michigan Ave Chicago 5 Ill
Griffin Lamp Co Shelby Miss
GROTE MFG CO State Route #7 Madison Ind
HARVELL-KILGORE SALES CORP International Flare Signal Div 673 Clarence St Los Angeles Calif
Industrial Steel Tank & Body Works Inc 2533 Fourth St Berkeley 10 Calif
K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio
KING BEE MFG CO 2600 W Washington Blvd Bellwood Ill
MACCHI & CO 819 Valencia St San Francisco 10 Calif
Miro-Flex Co 1824 E 2nd St Wichita 7 Kans
SIGNAL-STAT CORP 523-529 Kent Ave Brooklyn 11 N Y
Speaker Corp J W 3059 N Weil St Milwaukee 12 Wis
UNION CARBIDE CONSUMER PRODUCTS CO Div Union Carbide Corp 270 Park Ave New York 17 N Y
Vari-Products Co 2450 S Prairie Ave Chicago 16 Ill
YANKEE METAL PRODUCTS CORP 25 Grand St Norwalk Conn

FLARING TOOLS—See Tubing Flaring Tools
FLASHERS, DIRECTION SIGNALS—See Directional Signal Flashers
FLAW DETECTORS—See Magnetic Inspection Equipment
FLEET RECORDS (FORMS)—See Forms, Fleet Record
FLEXIBLE FUEL LINES—See Fuel Lines

FLEXIBLE SHAFTING

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
Actuator Products Corp P O Box 247 40 Nashua St Woburn Mass
ALBERTSON & CO INC 2801 Floyd Blvd Sioux City 2 Iowa
Barbour Stockwell Instruments 80 Cambridge St Worcester Mass
HYGRADE PRODUCTS DIV Standard Motor Products Inc 37-08 Northern Blvd Long Island City 1 N Y

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In 1908—the CHICAGO FIRE DEPT. —then as now—was up-to-the-minute with Waukesha Engine powered equipment.

fast · rugged · powerful

WAUKESHA *transport* ENGINES

Where the pay-off is on pay-load — in fast cross country service . . . off the highway . . . or extra heavy duty hauling — you'll make more miles and cut costs, too, with these modern Waukesha truckers' engines. Designed to put out the power, Waukeshas pull-and-pay day after day without faltering or breakdown. Up to 400 horsepower.

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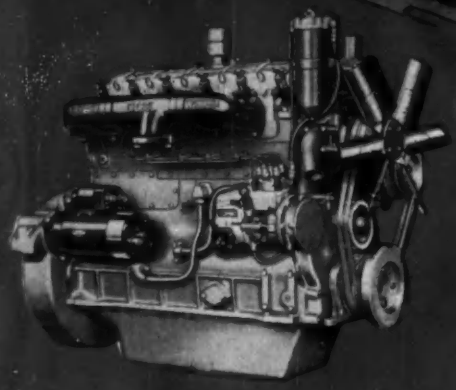
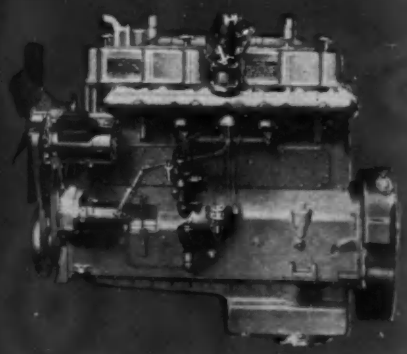
New York • Tulsa • Huntington Park, Calif.

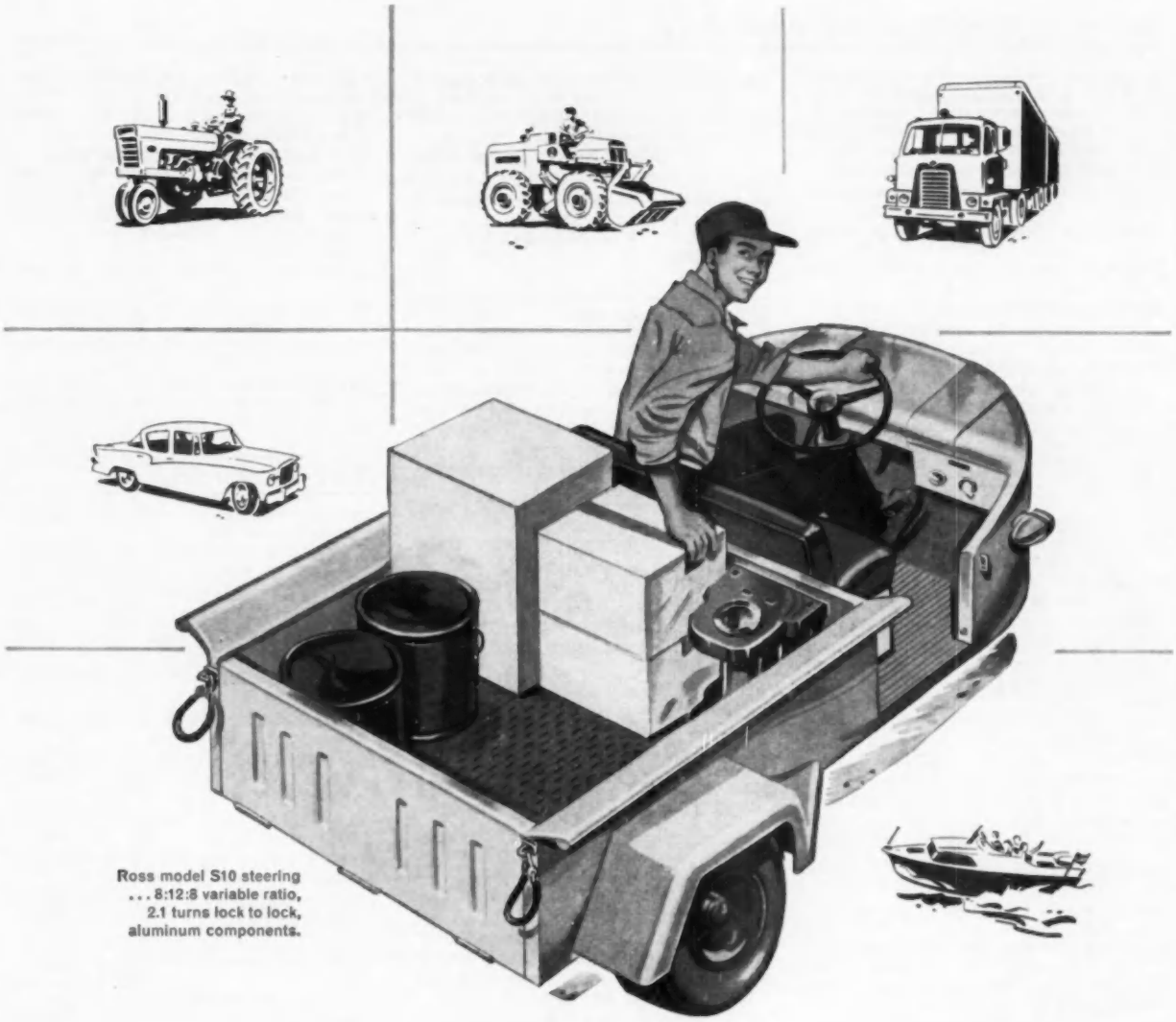
529



◀ 135-DKB Diesel, 4¼ x 5 inch bore and stroke, 426 cu. in. displacement, to 145 hp.

145-GZ Gasoline, 5⅜ x 6 inch bore and stroke, 817 cu. in. displacement, to 300 hp. ▶





Ross model S10 steering
. . . 8:12:8 variable ratio,
2.1 turns lock to lock,
aluminum components.

I have Ross variable-ratio steering, too!

● Here's a shop "mule" with no balky handling habits. Responsive variable-ratio steering keeps it "narrow and nimble" for crowded aisles and tight corners. Whatever *your* steering needs may be—manual or power, constant or variable ratio—Ross invites your inquiry.

Ross

STEERING

ROSS GEAR & TOOL COMPANY, INC.
Ross Division, Lafayette, Indiana • Gemmer Division, Detroit, Michigan

More details? Circle 160 on reply card inside back cover

FLEXIBLE SHAFTING—continued

Perfection Automotive Products Corp 925 W Elizabeth St Detroit 1 Mich
STEWART-WARNER CORP Instrument Div 1840 Diversey Pkwy Chicago 14 Ill
Stow Mfg Co 443 State St Binghamton N Y
Teleflex Industrial Products Inc Fourth & Berk Sts Boyertown Pa
UNITED PARTS DIV Echlin Mfg Co 1250 W Van Buren St Chicago 7 Ill

FLEXIBLE TUBING—See Tubing, Flexible
FLOOR CLEANERS—See Cleaning Compounds & Solvents

FLOOR SWEEPERS

Flour City Brush Co 1501 Fifth Ave South Minneapolis 4 Minn
Laitner Brush Co 2000 Brooklyn Ave Detroit 26 Mich
MILWAUKEE DUSTLESS BRUSH CO 530 22nd St Milwaukee 3 Wis
Tennant Co G H 761 N Lilac Dr Minneapolis 22 Minn

FLOORING, Truck & Trailer

Alan Wood Steel Co Ivy Rock Rd Conshohocken Pa
ALUMINUM CO OF AMERICA 1501 Alcoa Bldg Pittsburgh 19 Pa
Armstrong Cork Co 3003 Robbins Ave Lancaster Pa
Bruce Co E L (Dura-Wood) 1648 Thomas St Memphis Tenn
Burruss Land & Lumber Co P O Box 129 Lynchburg Va
Hamer Hardwood Mfrs P O Box 69 Kenova W Va
Hobbs Trailer Div Fruehauf Trailer Co 609 N Main St Ft Worth 1 Tex
INLAND STEEL CO 30 W Monroe St Chicago 3 Ill
Jones & Laughlin Steel Corp 3 Gateway Center Pittsburgh 30 Pa
Lewis-Shepard Products Inc 1050 Walnut St Watertown 72 Mass
REVERE COPPER & BRASS INC 230 Park Ave New York 17 N Y
REYNOLDS METALS CO P O Box 2316 Richmond 19 Va
Stran-Steel Div Great Lakes Steel Co Tecumseh Rd Detroit 29 Mich
Timpte Bros Inc 5900 N Washington St Denver Colo
United States Plywood Corp Weldwood Bldg 55 W 44th St New York 36 N Y

FLUID, STARTING—See Starting Fluid
FLUID, HYDRAULIC BRAKE—See Brake Fluid
FLUSHERS, RADIATOR & BLOCK See Cooling System Flushers

FLYWHEEL RING GEARS

Eaton Mfg Co Automotive Gear Div S 8th & "O" Sts Richmond Ind
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
KELSEY-HAYES CO 3600 Military Ave Detroit 32 Mich
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Perfection Gear Co 152nd St & Vincennes Ave Harvey Ill
Republic Gear Co 20200 E Nine Mile Rd St Clair Shores Mich
WOHLERT CORP 708 E Grand River Ave Lansing 5 Mich

FOG LAMPS—See Lamps
FORK LIFT TRUCKS—See Lift Trucks

FORMS, Fleet Records

Cities Service Oil Co 60 Wall Tower New York 5 N Y
Esso Standard Div Humble Refining Co 15 W 51st St New York 19 N Y
Fleet Forms Inc P O Box 147 Chardon Ohio
GULF OIL CO P O Box 2140 Houston 2 Tex
Ideal System Co The 2437 West Pico Blvd Los Angeles 6 Calif
METHODS RESEARCH CORP 105K Willow Ave Staten Island 5 N Y
Pennzoil Div South Penn Oil Co Drake Bldg P O Box 78 Oil City Pa
STANDARD MOTOR PRODUCTS INC 37-08 Northern Blvd Long Island City 1 N Y
WHITE MOTOR CO 842 E 79th St Cleveland 1 Ohio

FOUNTAIN BRUSHES—See Washers, Fountain Brushes
FRAME STRAIGHTENERS—See Alignment Equipment

FRAMES, Pressed Steel

BUDD CO THE 2450 Hunting Park Ave Philadelphia 32 Pa
Consolidated Metal Products Inc P O Box 63 Highland Blvd Elkhart Ind
DANA CORP Standard Equipment Div 4100 Bennett Rd Toledo 1 Ohio
Industrial Steel Tank & Body Works Inc 2533 Fourth St Berkeley 10 Calif
MIDLAND-ROSS CORP Owosso Div 490 S Chestnut St Owosso Mich
PARISH PRESSED STEEL DIV Dana Corp Robeson & Weiser Sts Reading Pa
Smith Corp A O P O Box 584 Milwaukee 1 Wis

FREEZE METERS—See Hydrometers
FRONT AXLES—See Axles, Front
FRONT END ALIGNMENT EQUIPMENT—See Alignment Equipment

FRONT END LOADERS (Construction Off-Highway)

Allis-Chalmers Mfg Co Milwaukee Wis
Case Co J I 700 State St Racine Wis
Caterpillar Tractor Co 600 W Washington St Peoria 8 Ill
Clark Equipment Co (Michigan) Construction Machinery Div Pipestone Rd Box 599 Benton Harbor Mich
Cletrac Corp 19300 Euclid Ave Cleveland 17 Ohio
Eimco Corp Salt Lake City Utah
Euclid Div General Motors Corp Hudson Ohio
Ford Motor Co Tractor & Implement Div Birmingham Mich
Hough Co The Frank G 601 Sunnyside Ave Libertyville Ill
INTERNATIONAL HARVESTER CO (International-Drott) 180 N Michigan Ave Chicago 1 Ill
Mixermobile Mfrs Inc (Scoopmobile) 8027 N E Killingsworth St Portland Ore
Nelson N P Iron Works Inc 850 Bloomfield Ave Clifton N J
Oliver Corp The 400 W Madison Ave Chicago 6 Ill
Pettibone Mulliken Corp (Speedall) 4700 W Division St Chicago 51 Ill
Tractomotive Deerfield Ill
Yale & Towne Mfg Co (Trojan) The Batavia N Y

FRONT END SUSPENSION PARTS

Accurate Products Inc 135 N Spring St Indianapolis Ind
ALLIED AUTOMOTIVE PARTS CO 1450 E 19th St Indianapolis Ind
ALUMINUM INDUSTRIES INC 3670 Werk Rd Cincinnati 11 Ohio
Bohn Aluminum & Brass Corp 1400 Lafayette Bldg Detroit 26 Mich
CLARK EQUIPMENT CO Automotive Div Buchanan 3 Mich
CLEVITE CORP 6545 Carnegie Ave Cleveland 3 Ohio
DAYTON STEEL FOUNDRY P O Box 1022 1366 Miami Chapel Rd Dayton 1 Ohio
Elgin Machine Work Inc 412 N State St Elgin Ill
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
HENDRICKSON MFG CO 8001 W 47th St Lyons Ill
Hunter Engineering Co Hunter Ave & Ladue Rd St Louis 24 Mo
Industrial Steel Tank & Body Works Inc 2533 Fourth St Berkeley 10 Calif
Inland Mfg Div General Motors Corp 227 Inland Ave Dayton 1 Ohio
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
MOOG INDUSTRIES INC 6565 Wells Ave St Louis 33 Mo
Neapco Products Inc South & Cross Sts Pottstown Pa
SAGINAW STEERING GEAR DIV General Motors Corp 3900 Holland Rd Saginaw Mich
THOMPSON PRODUCTS REPLACEMENT DIV Thompson Ramo Wooldridge Inc 6402 Cedar Ave Cleveland 3 Ohio
TOLEDO STEEL PRODUCTS DIV Thompson Ramo Wooldridge Inc 6402 Cedar Ave Cleveland 3 Ohio
Transit Parts Co 3500 Vine St Indianapolis 7 Ind
WOHLERT CORP 708 E Grand River Ave Lansing 5 Mich

FUELS

FUELS, Gasoline & Diesel

American Liquid Gas Corp 1109 Santa Fe Ave Los Angeles 21 Cal

AMERICAN OIL CO 910 S Michigan Ave Chicago 80 Ill
Ashland Oil & Refining Co Commercial Fleet Sales Div 1402 Federal Reserve Bank Bldg Cincinnati 2 Ohio
Atlantic Refining Co 260 S Broad St Philadelphia 1 Pa
Cities Service Oil Co 60 Wall Tower New York 5 N Y
Continental Oil Co Texas Nat'l Bank Bldg 1300 Main St P O Box 2197 Houston Texas
D-X Sunray Oil Co 907 S Detroit Ave Tulsa 2 Okla
Esso Standard Div Humble Refining Co 15 W 51st St New York 19 N Y
GULF OIL CORP P O Box 2140 Houston Texas
KENDALL REFINING CO 77 N Kendall St Bradford Pa
MOBIL OIL CO 150 E 42nd St New York 17 N Y
Pennsylvania Refining Co 2686 Lisbon Rd Cleveland 4 Ohio
Pennzoil Div South Penn Oil Co Drake Bldg P O Box 78 Oil City Pa
Phillips Petroleum Co Bartlesville Okla
PURE OIL CO 200 E Gulf Rd Palatine Ill
Richfield Oil Corp Richfield Bldg 555 S Flower St Los Angeles 13 Cal
SHELL OIL CO 50 W 50th St New York 20 N Y
Sinclair Refining Co 600 Fifth Ave New York 20 N Y
STANDARD OIL CO OF CAL 225 Bush St San Francisco 20 Cal
Standard Oil Co of Ohio Midland Bldg Cleveland Ohio
STANDARD OIL CO of Texas El Paso Texas
Sun Oil Co 1608 Walnut St Philadelphia 3 Pa
TEXACO INC 135 E 42nd St New York 17 N Y
Tide Water Associated Oil Co 17 Battery Place New York N Y
Union Oil Co of Cal Union Oil Bldg Los Angeles 7 Cal
Valvoline Oil Co Div Ashland Oil & Refining Co Third Ave & Sixth St Freedom Pa

FUEL ADDITIVES—See Additives, Fuel & Oil

FUEL & OIL ECONOMIZERS

(Advertiser Only)

MATZ CORP 201 Pine St Springfield Mass

FUEL FILTERS, Diesel

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
Air-Maze Div Rockwell-Standard Corp 25000 Miles Rd Cleveland 28 Ohio
American Bosch Div American Bosch Arma Corp 3664 Main St Springfield 7 Mass
BALDWIN MFG CO J A P O Box 656 Kearney Nebr
BOSCH CORP ROBERT 40-25 Crescent St Long Island City 1 N Y
Briggs Filtration Co Automotive Div River Rd Washington 16 D C
DeLuxe Products Corp 1201 Michigan Blvd Racine Wis
FRAM CORP Pawtucket Ave Providence 16 R I
HARTFORD MACHINE SCREW CO (ROOSA MASTER) P O Box 1440 Hartford 2 Conn
LUBER-FINER INC 2514 S Grand Ave Los Angeles 7 Cal
Purolator Products Inc 970 New Brunswick Ave Rahway N J
Refill Filter Co 541 15th Ave Newark 3 N J
WGB Oil Clarifier Inc 139 Cornell St Kingston N Y
Walker Mfg Co of Wis 1201 Michigan Blvd Racine Wis
Winslow Engrg & Mfg Co 4069 Hollis St Oakland 8 Cal
WIX CORP 1211 Ozark Ave Gastonia N C
ZENITH CARBURETOR DIV Bendix Corp 696 Hart Ave Detroit 14 Mich

FUEL FILTERS, Gasoline

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
Accurate Products Inc 135 N Spring St Indianapolis Ind
Air-Maze Div Rockwell - Standard Corp 25000 Miles Rd Cleveland 28 Ohio
American Liquid Gas Corp 1109 Santa Fe Ave Los Angeles 21 Cal
Ashland Oil & Refining Co Commercial Fleet Sales Div 1402 Federal Reserve Bank Bldg Cincinnati 2 Ohio
BALDWIN MFG Co J A P O Box 656 Kearney Nebr
Briggs Filtration Co Automotive Div River Rd Washington 16 D C
Carter Carburetor Div of A C F Industries Inc 2840 Spring Ave St Louis 7 Mo
Champ-Items Inc 6191 Maple Ave St Louis 3 Mo
DELCO MORAINE DIV General Motors Corp 1420 Wisconsin Blvd Dayton 1 Ohio
DeLuxe Products Corp 1201 Michigan Blvd Racine Wis
Electric Autopulse Div Walbro Corp 6242 Garfield St Cass City Mich
FRAM CORP Pawtucket Ave Providence 16 R I
HARTFORD MACHINE SCREW CO (ROOSA MASTER) P O Box 1440 Hartford 2 Conn
Imperial Brass Mfg Co 6300 W Howard St Chicago 48 Ill
Kem Mfg Co 20-21 Wagaraw Rd Fair Lawn N J
Lee Filter Corp 191 Talmadge Rd Edison N J
LUBER-FINER INC 2514 S Grand Ave Los Angeles 7 Cal
Purolator Products Inc 970 New Brunswick Ave Rahway N J
Refill Filter Co 541-15th Ave Newark 3 N J
STANDARD MOTOR PRODUCTS INC 37-08 Northern Blvd Long Island City N Y
UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich
Walker Mfg Co of Wis 1201 Michigan Blvd Racine Wis
WIX CORP 1211 Ozark Ave Gastonia N C
ZENITH CARBURETOR DIV Bendix Corp 696 Hart Ave Detroit 14 Mich

FUEL FILTERS, LP Gas

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
Air-Maze Div Rockwell - Standard Corp 25000 Miles Rd Cleveland 28 Ohio
American Liquid Gas Corp 1109 Santa Fe Ave Los Angeles 21 Cal
BALDWIN MFG CO J A P O Box 656 Kearney Nebr
Briggs Filtration Co Automotive Co Automotive Div River Road Washington 16 D C
CENTURY GAS EQUIPMENT Marvel Schebler Products Div Borg-Warner Corp 625 Southside Dr Decatur Ill
Ensign Carburetor Div American Bosch Arma Corp 1551 E Orangethorpe Ave Fullerton Cal
LUBER-FINER INC 2514 S Grand Ave Los Angeles 7 Cal
Purolator Products Inc 970 New Brunswick Ave Rahway N J
Wilkerson Corp 1601 W Girard Ave Englewood Colo
ZENITH CARBURETOR DIV Bendix Corp 696 Hart Ave Detroit 14 Mich

FUEL GAGES (Instrument Panel)

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
ELECTRIC AUTOLITE CO THE (PRESTOLITE) Toledo 1 Ohio
KING-SEELEY THERMOS CO 315 S First St Ann Arbor Mich
STEWART - WARNER CORP Instrument Div 1840 Diversey Pkwy Chicago 14 Ill

FUEL GAGE TESTERS

Kem Mfg Co 20-21 Wagaraw Rd Fair Lawn N J
Sun Electric Corp Harlem & Avondale Chicago 31 Ill

FUEL INJECTORS—See Injectors, Fuel

FUEL LINES, Flexible

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
Acme Rubber Mfg Co 115 Meade St Trenton N J
Aeroquip Corp 300 S East Ave Jackson Mich
Anchor Coupling Co 342 N 4th St Libertyville Ill
Bundy Tubing Co 8109 E Jefferson Ave Detroit 14 Mich
Champ-Items Inc 6191 Maple Ave St Louis 3 Mo
Chase Brass & Copper Co 236 Grand St Waterbury 20 Conn
DORMAN PRODUCTS INC 5757 Mariemont Ave Cincinnati 27 Ohio
Edelmann & Co E 2332 Logan Blvd Chicago 47 Ill
EVERHOT MFG CO 57 S 19th Ave Maywood Ill
GATES RUBBER CO 999 S Broadway Denver 17 Colo

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new built-for-business features from the traditional resale leader*

'62 Chevrolet

*Based on prices in the National Automobile Dealers Association USED CAR GUIDE, recent-model Chevrolets are now bringing a higher percentage of their original price than any other full-sized car in their field.

Here are all the fleet car advantages you've come to expect from Chevrolet—plus new refinements that promise even higher return at trade-in time.* Who else in Chevrolet's field, for instance, gives you the trip-shortening comfort of Full Coil cushioning at each wheel, aided and abetted by more than 700 sound and vibration filters? Or a whopping deep-well trunk (with bumper-level loading) that lets you take on odd-shaped samples and paraphernalia you used to have to leave behind? And more, much more: oversized, wide-opening doors designed with big six-footers in mind. Roomy new Body by Fisher interiors. Standard Hi-Thrift 235 Six and Turbo-Fire 283 V8 triggered to do special things with regular gas. And, for extra long-term protection of your fleet investment, new steel front fender underskirts help put a stop to rust. *Even the mufflers are longer lived this year to help cut maintenance cost.* It will pay you to check out all the dollar-saving details at your Chevrolet dealer's first chance you get. . . . Chevrolet Division of General Motors, Detroit 2, Michigan.

CHEVROLET

2-Door Bel Air

the new CHEVY II basic fleet transportation in a totally new line of cars

Chevy II 100 4-Door

This one might just fit your special fleet requirements like no other car ever has. It's built in a new runabout size with a rugged new kind of unitized body to save you money in maintenance. You have a choice of a frugal four or satiny six in most models. Durable new Mono-Plate rear springs make the Chevy II ride a study in smoothness. And just wait till you get the low-down on that price tag at your dealer's!

Super-strength bearing takes 3-ton engine loads

This is the new Federal-Mogul AP steel-backed aluminum bearing. It can take pounding up to 6,000 pounds per square inch (pressure equal to the weight of this medium truck). This bearing was designed by Federal-Mogul engineers for the new kind of engines appearing today . . . shorter engines with high horsepower, high compression, and reduced bearing area.

The secret of this bearing's superiority lies in its new aluminum-alloy lining. It has both the high strength of aluminum and good bearing "oiliness". And in addition to its exceptional fatigue strength, this Federal-Mogul aluminum bearing is also highly resistant to corrosive engine acids.

This AP aluminum bearing is just one in the complete Federal-Mogul line. Others include the 5-layer copper-alloy, straight copper-alloy, and babbitt bearings. Each is designed for a particular engine . . . and gives superior service in it. Whatever bearing you need for replacement, rely on Federal-Mogul and be sure of customer satisfaction. See your Federal-Mogul jobber.

FEDERAL-MOGUL ENGINE BEARINGS

FEDERAL-MOGUL SERVICE

DIVISION OF FEDERAL-MOGUL-BOWER BEARINGS, INC. • DETROIT 13, MICHIGAN

More details? Circle 162 on reply card inside back cover

FUEL LINES, Flexible—continued

HARTFORD MACHINE SCREW CO (ROOSA MASTER) P O Box 1440 Hartford 2 Conn

Imperial Brass Mfg Co 6300 W Howard St Chicago 48 Ill

Industrial Steel Tank & Body Works Inc 2533 Fourth St Berkeley 10 Cal

Stratoflex Inc 220 Roberts St Fort Worth Texas

THERMOID DIV Porter Co H K 200 Whitehead Rd Trenton 6 N J

Titeflex Inc Hendee St Springfield 4 Mass

UNITED STATES RUBBER CO Rockefeller Center 1230 Ave of the Americas New York 20 N Y

WEATHERHEAD CO 300 E 131st St Cleveland 8 Ohio

FUEL METERS, Vehicle

SERVICE RECORDER CO 1013F Rockwell Ave Cleveland 14 Ohio

FUEL MILEAGE TESTERS—See Testers, Fuel Mileage

FUEL PRESSURE REGULATORS—See Regulators, Fuel Pressure

FUEL PUMPS, Diesel (Vehicle)

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich

Allis-Chalmers Mfg Co Engine Material Handling Div 1135 S 70th St Milwaukee 1 Wis

Allyn Mfg Co 1758 W Wellington Ave Chicago 13 Ill

American Bosch Div American Bosch Arma Corp 3664 Main St Springfield 7 Mass

BOSCH CORP ROBERT 40-25 Crescent St Long Island City 1 N Y

Caterpillar Tractor Co 600 W Washington St Peoria 8 Ill

CUMMINS ENGINE CO INC 1000 Fifth St Columbus Ind

HARTFORD MACHINE SCREW CO (ROOSA MASTER) P O Box 1440 Hartford 2 Conn

Scintilla Div Bendix Corp Sidney N Y

FUEL PUMPS, Gasoline (Vehicle)

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich

Airtex Automotive Div Airtex Products Inc 407 W Main St Fairfield Ill

Alloy Mfg Co 3307 S Shields Ave Chicago 16 Ill

American Bosch Div American Bosch Arma Corp 3664 Main St Springfield 7 Mass

American Motor Products Co Fond du Lac Wis

Carter Carburetor Div of A C F Industries Inc 2840 N Spring Ave St Louis 7 Mo

ECLIPSE MACHINE DIV Bendix Corp 18th St & Oakwood Ave Elmira Heights Elmira N Y

P & D MFG CO INC 19-02 Steinway St Long Island City N Y

Preferred Electric & Wire Co Bush Terminal Bldg #8 Brooklyn 32 N Y (Parts Only)

REEVES VULCAN 1071 Ave of the Americas New York 18 N Y (Parts Only)

Simmons Mfg Co Ashland Ohio (Parts Only)

STEWART-WARNER CORP Instrument Div 1840 Diversey Pkwy Chicago 14 Ill

THOMPSON RAMO WOOLDRIDGE INC Michigan Div 34201 Van Dyke Ave Warren Mich

TOKHEIM CORP General Products Div 1602 Wabash Ave Fort Wayne 1 Ind

UNITED PARTS DIV Echlin Mfg Co 1250 W Van Buren St Chicago 7 Ill (Parts Only)

Electric Autopulse Div Walbro Corp 6240 Garfield St Cass City Mich

FORD DIV Ford Motor Co P O Box 658 Dearborn Mich

Highland Machine Co 3215 Superior Ave Cleveland 14 Ohio (Parts Only)

HYGRADE PRODUCTS DIV Standard Motor Products Inc 37-08 Northern Blvd Long Island City 1 N Y

Industrial Steel Tank & Body Works Inc 2533 Fourth St Berkeley 10 Cal

Kem Mfg Co 20-21 Wagaraw Rd Fair Lawn N J

Mica Insulator Co Broadway Schenectady N Y (Parts Only)

Neff Perkins Co 33 Stage St Plainsville Ohio (Parts Only)

Wells Mfg Corp 2-26 S Brooke St Fond du Lac Wis

WOHLERT CORP 708 E Grand River Ave Lansing 5 Mich (Parts Only)

FUEL PUMPS (Fuel Island)

BENNETT PUMP DIV John Wood Co Broadway & Wood Sts Muskegon Mich

Bowser Inc 1302 E Creighton Ave Fort Wayne 2 Ind

Buckeye Iron & Brass Works 324 E 3rd St Dayton 1 Ohio

Dayton Pump & Mfg Co 500 N Webster St Dayton Ohio

Erie Meter Systems Inc 1602 Wagner Ave Erie Pa

Gilbert & Barker Mfg Co Cold Spring Ave West Springfield Mass

Smith Corp A O P O Box 584 Milwaukee 1 Wis

Smith-Erie Div A L Smith Corp 1602 Wagner Ave Erie 6 Pa

TOKHEIM CORP General Products Div 1602 Wabash Ave Fort Wayne 1 Ind

Wayne Pump Co Salisbury Md

FUEL PUMP TESTERS

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich

Airtex Automotive Div Airtex Products Inc 407 W Main St Kalamazoo 13F Mich

Allen Electric & Equipment Co 2101 N Pitcher St Kalamazoo 13F Mich

BACHARACH INDUSTRIAL INSTRUMENT CO 200 N Braddock Ave Pittsburgh 8 Pa

Heyer Industries Inc 500 Cortland St Belleville 9 N J

Hygrade Products Div Standard Motor Products Inc 37-08 Northern Blvd Long Island City 1 N Y

Kal-Equip Co 411 Washington St Otsego Mich

Kem Mfg Co 20-21 Wagaraw Rd Fair Lawn N J

Kent-Moore Organization Inc 28635 Mound Rd Warren Mich

King Electric Equipment Co 9123 Inman Ave Cleveland 5 Ohio

STEWART-WARNER CORP Instrument Div 1840 Diversey Pkwy Chicago 14 Ill

Sun Electric Corp Harlem & Avondale Chicago 31 Ill

WEIDENHOFF CORP Highway #18 Algona Iowa

FUEL TANKS—See Tanks, Fuel

FUSEES, Emergency

ANTHES DIV Gleason Corp 325 N Plankinton Ave Milwaukee Wis

Bolser Corp 27th & Main Sts Cedar Falls Iowa

HARVELL-KILGORE SALES CORP 673 Clarence St Los Angeles Cal

K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio

YANKEE METAL PRODUCTS CORP 25 Grand St Norwalk Conn

GAGES, AXLE ALIGNING—See Alignment Equipment

GAGES, BRAKE DRUM—See Brake Drum Gages

GAGES, BRAKE SHOE—See Brake Lining Gages

GAGES, CYLINDER COMPRESSION—See Compression Gages

GAGES, DASH BOARD—See item desired

GAGES, DIAL—See Dial Indicator Gages

GAGES, GASOLINE—See Fuel Gages (Instrument Panel)

GAGES, LIQUID LEVEL, STORAGE TANK—See Tank Gages, Liquid Levels

GAGES, OIL LEVEL—See Oil Level Gages

GAGES, OIL PRESSURE—See Oil Pressure Gage

GAGES, TIRE PRESSURE—See Tire Pressure Gages

GAGES, VACUUM—See Vacuum Gages

GAGES, WATER TEMPERATURE—See Water Temperature Gages

GAGES, WHEEL ALIGNING—See Alignment Equipment

GASKETS

Anchor Packing Co 401 N Broad St Philadelphia 8 Pa

Armstrong Cork Co 3003 Robbins Ave Lancaster Pa

Buckeye Rubber Products Inc 637 N Jackson St Lima Ohio

CHICAGO RAWHIDE MFG CO 1301 Elston Ave Chicago 22 Ill

Cleveland Gasket & Mfg Co 1602 W 116th St Cleveland 2 Ohio

Continental Diamond Fibre Newark 2 Del

Detroit Gasket & Mfg Co 12640 Burt Rd Detroit 23 Mich

Eaton Mfg Co Stamping Div 17877 St Claire Ave Cleveland 10 Ohio

Felt Products Mfg Co 7450 N McCormick Blvd Skokie Ill

FITZGERALD MFG CO 691 Main St Torrington Conn

JOHNS-MANVILLE CORP 22 E 40th St New York 16 N Y
McCord Corp Riopelle at E Grand Blvd Detroit 11 Mich
Vellumoid Co 54 Rockdale St Worcester 6 Pa

GASKET COMPOUNDS

Armstrong Cork Co 3003 Robbins Ave Lancaster Pa
Durkee-Atwood Co 215 Seventh St S E Minneapolis 13 Minn
Goodrich Chemical Co B F 3135 Euclid Ave Cleveland 15 Ohio
Hollingshead Corp R M 840 Cooper St Camden N J
Pep Mfg Co 33 W 42nd St New York N Y
Permatex Co 300 Broadway Huntington Sta New York N Y

GARAGE DOORS, OVERHEAD—See Doors, Overhead Garage
GAS, ACETYLENE—See Acetylene & Oxygen Gases
GASOLINE—See Fuels
GASOLINE ENGINES—See Engines, Gasoline
GASOLINE FILTERS—See Fuel Filters
GASOLINE GAGES—See Fuel Gages (Instrument Panel) or Tank Gages (Liquid Level)
GASOLINE MILEAGE TESTERS—See Testers, Fuel Mileage
GASOLINE TANKS, VEHICLE MOUNTED—See Tanks, Fuel
GASOLINE TANK CAPS, LOCKING—See Caps, Fuel Tank Locking
GASOLINE TANK VALVES—See Valves, Fuel Tank

GATES, Truck Folding

Ace Iron Works 510 Pershing Rd Chicago 9 Ill
Hobbs Trailer Div Fruehauf Trailer Co 609 N Main St Fort Worth 1 Texas
Roll-O-Matic Chain Co Wyandotte St Kansas City 5 Mo
Standard Carriage Works Inc 4120 Bandini Blvd Los Angeles 23 Cal
WATSON CO H S 1316 67th St Emeryville 8 Cal
Zehr Products Co 2130 E Hazzard St Philadelphia 25 Pa

GEAR PULLERS—See Pullers
GEARS, FLYWHEEL RING—See Flywheel Ring Gears
GEARS, LANDING (TRAILER)—See Landing Gears
GEARS, REAR AXLE—See Axle Ring Gears & Pinions
GEARS, STEERING—See Steering Gears
GEARS, TIMING—See Timing Gears
GEARS, TRANSMISSION—See Transmission Gears & Shafts

GENERATORS

GENERATORS, Vehicle

American Bosch Div American Bosch Arma Corp 3664 Main St Springfield 7 Mass
American Generator & Armature Co 6100 W Grand Ave Chicago 39 Ill
BOSCH CORP ROBERT 40-25 Crescent St Long Island City 1 N Y
CONSOLIDATED GENERAL PRODUCTS INC 24-01 Nicholson Rd Houston 8 Texas
DELCO REMY DIV General Motors Corp Anderson Ind
ELECTRIC AUTOLITE CO THE (PRESTOLITE) Toledo 1 Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
General Armature & Mfg Co P O Box 370 Lock Haven Pa
Kurland Combinator 1136 Broadway Denver 3 Colo
LEECE-NEVILLE CO 1374 E 51st St Cleveland 3 Ohio
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich

GENERATOR OVERDRIVE

CONSOLIDATED GENERAL PRODUCTS INC 24-01 Nicholson Rd Houston Texas

GENERATOR SETS, Portable (Including Standby Sets)

Allis-Chalmers Mfg Co Engine Material Handling Div 1135 S 70th St Milwaukee 1 Wis
Caterpillar Tractor Co 600 W Washington St Peoria 8 Ill
CUMMINS ENGINE CO INC 1000 Fifth St Columbus Ind
DETROIT DIESEL ENGINE DIV General Motors Corp 13400 W Outer Dr Detroit 28 Mich
Impac Corp P O Box 2003 Pompano Beach Fla
KOHLER CO Kohler Wis
Onan & Sons Inc D W University Ave S E at 25th St Minneapolis 14 Minn
Thor Power Tool Co 175 N State St Aurora Ill
WAUKESHA MOTOR CO W St Paul Ave Waukesha Wis

GENERATOR PARTS (see also Generators, Vehicle)

Arrow Armatures Co 15 Fordham Rd Boston 34 Mass
ECHLIN MFG CO Echlin Rd at U S #1 Branford Conn

REMEMBER: Vehicle makers offer parts and components for their own vehicles. Generally it is not possible to list them under all the product headings involved. Also many makers have a line of reconditioned (by qualified local rebuilders) parts and components, and some supply parts and components for other makers' vehicles. Vehicle makers who have a separately named division for handling parts and components are listed under the heading "Replacement Parts". Otherwise the address is as shown under the appropriate vehicle heading. For example, "Trucks" or "Trailers".

F & B MFG CO 4248 W Chicago Ave Chicago 51 Ill
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Kem Mfg Co 20-21 Wagaraw Rd Fair Lawn N J
Midwest Generator Co 4004 W Ogden Ave Chicago 23 Ill
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Niehoff & Co C E 4925 W Lawrence Ave Chicago 3 Ill
P & D MFG CO INC 19-02 Steinway St Long Island City N Y
Shurhit Products Inc 845 S Market St Waukegan Ill
STANDARD MOTOR PRODUCTS INC 37-08 Northern Blvd Long Island City N Y
WOHLERT CORP 708 E Grand River Ave Lansing 5 Mich

GIFTS

(Advertiser Only)

AUTOMATED GIFT PLAN INC 80 Park Ave New York 16 N Y

GLADHANDS—See Brakes, Air Systems & Parts

GLASS, Automotive

FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
LIBBY-OWENS-FORD GLASS CO 608 Madison Ave Toledo 3 Ohio
PITTSBURGH PLATE GLASS CO Safety Glass Div 1 Gateway Center Pittsburgh 22 Pa

GOVERNORS, Engine

Barbour Stockwell Instruments 80 Cambridge St Worcester Mass
ELECTRIC AUTOLITE CO THE (PRESTOLITE) Toledo 1 Ohio
ENGLER INSTRUMENT CO 250 Culver Ave Jersey City 5 N J
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
HOLLEY CARBURETOR CO 11955 E Nine Mile Rd Warren Mich
Hoof Products Co 6543 S Laramie Ave Chicago 38 Ill
KING-SEELEY THERMOS CO 315 S First St Ann Arbor Mich
Mallory Electric Corp 12416 Cloverdale Ave Detroit 4 Mich
MARQUETTE DIV Curtiss-Wright Corp 1145 Galewood Dr Cleveland 10 Ohio
Minnesota Automotive Inc 1101 N Front St Mankato Minn
Monarch Governor Co 2800 Tyler Rd Willow Run Mich
PERFECT CIRCLE CORP 552 S Washington St Hagerstown Ind
Pierce Governor Co 1625 Ohio Ave Anderson Ind
STEWART-WARNER CORP Instrument Div 1840 Diversey Pkwy Chicago 14 Ill
ZENITH CARBURETOR DIV Bendix Corp 696 Hart Ave Detroit 14 Mich

More details? Circle 163 on reply card inside back cover

MORE

One of 200 new WHITE 9064TD's going into Yellow Transit's modern fleet — in front of the company's new, ultramodern office building.

POWER

for Yellow Transit's "Progressive Modernization"

For 33,000 customers in nine states —Yellow Transit Freight Lines, Inc., Kansas City, Mo., keeps top payloads rolling on schedule. Day after day!

That kind of service in today's highly competitive hauling industry calls for forward thinking . . . and the most dependable, cost-saving equipment money can buy. That's why Yellow Transit bought 200 new WHITE 9064TD's—the most modern heavy-duty units on the road today!

They wanted bigger payloads, absolute dependability, greater fuel economy and lower maintenance. And that's what they're getting from these big WHITE diesels . . . custom-built to their exact requirements. The new fleet is part of Yellow Transit's all-out, long-range Progressive Modernization Program—designed to keep them ahead of competition with the best transportation possible at the lowest possible operating cost.

THE WHITE MOTOR COMPANY, CLEVELAND 1, OHIO

Branches, distributors, dealers in all principal cities

Some of the many money-making features of these WHITE 9064TD's:

90" BBC permits 40-ft. trailers in all Yellow Transit states. Pre-loaded front axle increases legal rear-axle payloads. WHITE-CUMMINS NHE-195 Economy Diesel engine packs 195 H.P., combines big-displacement power, dependability and long life with fuel economy that can save $400 or more per truck annually over other diesels. Two-leaf spring rear suspension gives smoother ride. 8" offset fifth wheel provides better steering. Dual tanks permit greater fueling flexibility and a 1000-mile range. And the optional WHITE Custom Cab is the finest in the industry!

WORLD LEADER IN HEAVY DUTY TRUCKS

WHITE TRUCKS

GRADERS (Construction & Highway)

Allis-Chalmers Mfg Co Milwaukee 1 Wis
Austin-Western Works Construction Equipment Div Baldwin-Lima Hamilton Corp 601 Farnsworth Ave Aurora Ill
Caterpillar Tractor Co 600 W Washington St Peoria 8 Ill
Le Tourneau-Westinghouse Co 2301 N Adams St Peoria Ill
Preco Inc 6300 E Slauson Ave Los Angeles 22 Cal

GRAPHITE, Lubricating

Acheson Colloids Co 1925 Washington Ave Port Huron Mich
Dixon Crucible Co Joseph Monmouth & Wayne Sts Jersey City 3 N J
Permatex Co 300 Broadway Huntington Sta New York N Y

GREASE—See Oils & Lubricants
GREASE GUNS—See Lubricators
GREASE REMOVERS—See Cleaning Compounds & Solvents
GREASE RETAINERS—See Oil Seals

GRINDERS & PLANERS, Engine Head & Block

Carborundum Co Buffalo Ave Niagara Falls N Y
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
VAN NORMAN MACHINE CO Div Van Norman Industries Inc 3640 Main St Springfield 7 Mass

GRINDERS, BENCH—See Bench Grinders
GRINDERS, BRAKE DRUM—See Brake Drum Lathes
GRINDERS, BRAKE LINING AND SHOE—See Brake Lining Grinders
GRINDERS, CRANKSHAFT—See Crankshaft & Camshaft Grinders
GRINDERS, CYLINDER—See Boring Bars
GRINDERS, PORTABLE ELECTRIC—See Sanders, Portable Electric
GRINDERS, PORTABLE PNEUMATIC—See Sanders, Portable Pneumatic
GRINDERS, VALVE SEAT—See Valve Seat Grinders
GUARDS, BUMPER—See Bumper Guards
GUARDS, SPLASH—See Splash Guards
GUARDS, TIRE INFLATING—See Tire Inflating Guards
GUIDES, VALVE—See Valve Guides

HAMMERS, Portable Electric

BLACK & DECKER MFG CO 629 Pennsylvania Ave Towson 4 Md
INGERSOLL-RAND CO 11 Broadway New York 4 N Y
Skil Corp 5033 Elston Ave Chicago 30 Ill
Stanley Electric Tools Div Stanley Works 480 Myrtle Ave New Britain Conn
Thor Power Tool Co 175 N State St Aurora Ill

HAMMERS, Portable Pneumatic

CHICAGO PNEUMATIC TOOL CO 8 E 44th St New York 17 N Y
Gardner-Denver Co S Front St Quincy Ill
INGERSOLL-RAND CO 11 Broadway New York 4 N Y
Skil Corp 5033 Elston Ave Chicago 30 Ill
Thor Power Tool Co 175 N State St Aurora Ill
Watervliet Tool Co P O Box 350 Albany 1 N Y

HAND CLEANERS—See Cleaning Compounds and Solvents
HAND TOOLS—See Tools, Hand

HAND TRUCKS

ANTHES DIV Gleason Corp 325 N Plankinton Ave Milwaukee Wis
Automatic Transportation Co Div Yale & Towne Mfg Co 101 W 87th St Chicago 20 Ill
BISHMAN MANUFACTURING CO Route 2 Osseo 26 Minn
Brooks & Perkins Inc 1950 W Fort St Detroit 16 Mich
Can Tool Co 288 22nd St Oakland 12 Cal
Clark Equipment Industrial Trucks Div Lafayette & 24th Sts Battle Creek 85 Mich
Elkay Products Co 35 Brown Ave Springfield N J
Langsenkamp Co F H Materials Handling Div 229 E South St Indianapolis 25 Ind
Lewis-Shepard Products Inc 1050 Walnut St Watertown 72 Mass
Magline Inc 952 Murry Rd Pinconning Mich
Standard Pressed Steel Co P O Box 395 Jenkintown Pa
Towmotor Corp 1226 E 152nd St Cleveland 10 Ohio

HARDWARE, BUS—See Bus Hardware
HARDWARE, TRUCK BODY—See Body Hardware
HEADLIGHT DIMMERS—See Switches, Headlight Dimmers
HEADLIGHT TESTERS—See Testers, Headlight

HEAT EXCHANGERS

Bethlehem Steel Co Bethlehem Pa
Brunner Div Dunham-Bush Inc 179 South St West Hartford 10 Conn
Dole Refrigerating Co 5910 N Pulaski Rd Chicago 46 Ill
HARRISON RADIATOR DIV General Motors Corp Washburn & Walnut Sts Lockport N Y
Kold-Hold Div Tranter Mfg Inc 735 E Hazel St Lansing 9 Mich
Long Mfg Div Borg-Warner Corp 12501 Dequindre St Detroit 12 Mich
Young Radiator Co 709 S Marquette St Racine Wis

HEAT GAGE—See Water Temperature Gages

HEATERS

HEATERS, Bus

Arvin Industries Inc 1531 13th St Columbus Ind
EATON MFG CO Heater Div E 65th & Central Ave Cleveland 4 Ohio
EVANS PRODUCTS CO Heating & Ventilating Div 13101 Eckles Rd Plymouth Mich
GMC TRUCK & COACH DIV General Motors Corp 660 South Boulevard E Pontiac 11 Mich
Hunter Mfg Co 30525 Aurora Rd Cleveland 39 Ohio
Huppower Div Hupp Corp 7450 Melville St Detroit 17 Mich
KYSOR HEATER CO 1100 W Wright St Cadillac Mich
Perfection Div Hupp Corp 1135 Ivanhoe Rd Cleveland 10 Ohio
Preco Inc 6300 E Slauson Ave Los Angeles 22 Cal
Surface Combustion Corp Janitrol Aircraft-Automotive Div 400 Dublin Ave Columbus Ohio
THERMO KING CORP 314 W 90th St Minneapolis 20 Minn
Truck & Coach Heater Mfg Co 2465 W Davison St Detroit 38 Mich
Vapor Heating Corp 80 E Jackson Blvd Chicago 4 Ill

HEATERS, Cargo

Cargo Guard Inc P O Box 1977 Thompson's Point Portland 2 Me
EATON MFG CO Heater Div E 65th & Central Ave Cleveland 4 Ohio
Elston Co Rue R 2223-C 15th Ave Minneapolis 4 Minn
EVANS PRODUCTS CO Heating & Ventilating Div 13101 Eckles Rd Plymouth Mich
FRUEHAUF TRAILER CO 10940 Harper Ave Detroit 32 Mich
G & O Mfg Co 138 Winchester Ave New Haven 8 Conn
Huppower Div Hupp Corp 7450 Melville St Detroit 17 Mich
Hunter Mfg Co 30525 Aurora Rd Solon Ohio
Luminator Inc 120 N Peoria St Chicago 80 Ill
NAPCO INDUSTRIES INC Napco Axle Div 7th & Lyndale Minneapolis 11 Minn
Perfection Div Hupp Corp 1135 Ivanhoe Rd Cleveland 10 Ohio
Preco Inc 6300 E Slauson Ave Los Angeles 22 Cal
SOUTH WIND DIV Stewart-Warner Corp 1514 Drover St Indianapolis 7 Ind
THERMO KING CORP 314 W 90th St Minneapolis 20 Minn
Truck & Coach Heater Mfg Co 2465 W Davison St Detroit 38 Mich
Vapor Heating Corp 80 E Jackson Blvd Chicago 4 Ill
Young Radiator Co 709 S Marquette St Racine Wis

HEATERS, Engine Preheating

Autac Inc Box 1071 New Haven Conn
CLAYTON MFG CO 433 N Temple City Blvd El Monte Cal

← For more details, circle 163 on reply card

KIM HOTSTART MFG CO 917 W Broadway Spokane 1 Wash
Perfection Div Hupp Corp 1135 Ivanhoe Rd Cleveland 10 Ohio
Phillips Mfg Co 8200 Grand Ave S Minneapolis 20 Minn
SOUTH WIND DIV Stewart-Warner Corp 1514 Drover St Indianapolis 7 Ind
Stow Mfg Co 443 State St Binghamton N Y
TECH PRODUCTS INC 6th & Trumbull Sts Elizabeth N J
Thermo Temp Industries Inc 7702 Second Blvd Detroit 2 Mich
Vapor Heating Corp 80 E Jackson Blvd Chicago 4 Ill
Young Radiator Co 709 S Marquette St Racine Wis

HEATERS, Paint, Hot Spray

Binks Mfg Co 3114-44 W Carroll Ave Chicago 12 Ill
De Vilbiss Co 300 Phillips Ave Toledo 1 Ohio
Spee-Flo Co 6614 Harrisburg St Houston 11 Texas

HEATERS, Parking Lot

Perfection Div Hupp Corp 1136 Ivanhoe Rd Cleveland 10 Ohio
Vapor Heating Corp 80 E Jackson Blvd Chicago 4 Ill

HEATERS, Truck Cab

Arvin Industries Inc 13th St & Big Four R R Columbus Ind
Bishop & Babcock Mfg Co 1204 E 55th St Cleveland 3 Ohio
EATON MFG CO Heater Div E 65th & Central Ave Cleveland 4 Ohio
EVANS PRODUCTS CO Heating & Ventilating Div 13101 Eckles Rd Plymouth Mich
HARRISON RADIATOR DIV General Motors Corp Washburn & Walnut Sts Lockport N Y
Hunter Mfg Co 30525 Aurora Rd Solon Ohio
Huppower Div Hupp Corp 7450 Melville St Detroit 17 Mich
KYSOR HEATER CO 1100 W Wright St Cadillac Mich
Morrison-Pelsue Co 2001 S Bannock St Denver 23 Colo
Perfection Div Hupp Corp 1135 Ivanhoe Rd Cleveland 10 Ohio
SOUTH WIND DIV Stewart-Warner Corp 1514 Drover St Indianapolis 7 Ind
Surface Combustion Corp Janitrol Aircraft-Automotive Div 400 Dublin Ave Columbus Ohio
Truck & Coach Heater Mfg Co 2465 W Davison St Detroit 38 Mich

HEATER HOSE—See Hose, Heater
HEATER SWITCHES—See Switches, Heater
HEATING LAMPS—See Lamps, Drying, Baking & Heating
HELPER SPRINGS—See Springs, Helper
HILL HOLDERS—See Brake Locks, Hill Holding
HITCHES, TRAILER—See Trailer Hitches

HOISTS, Chain or Cable (Manual)

AUTO SPECIALTIES MFG CO INC 643 Graves St St Joseph Mich
Blackhawk Automotive Div Blackhawk Mfg Co 5325 W Rogers St Milwaukee 46 Wis
Borg-Warner Industrial Cranes 1519 S Paulina St Chicago 8 Ill
Cleveland Crane & Engrg Co 5866 E 283rd St Wickliffe Ohio
Columbus McKinnon Chain Corp Tonowanda N Y
Hyster Co 2902 N E Clackamus St Portland 8 Ore
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Lewis-Shepard Products Inc 1050 Walnut St Watertown 72 Mass
Manley Div Douglas Motors Inc 1234 N 62nd St Milwaukee 13 Wis
RUGER EQUIPMENT INC 281 W 4th St Urichsville Ohio
Star Machine & Tool Co 227 Sixth St S E Minneapolis 14 Minn
Stratton Equipment Co 2030 E 105th St Cleveland 6 Ohio
Wright Hoist Div American Chain & Cable Co York Pa
Yale & Towne Mfg Co Yale Materials Handling Div 11000 Roosevelt Blvd Philadelphia 15 Pa

HOISTS, Chain or Cable, Electric

Blackhawk Automotive Div Blackhawk Mfg Co 5325 W Rogers St Milwaukee 46 Wis
Chisholm Moore Hoist Div Columbus McKinnon Chain Corp 6007 Fremont Ave Tonawanda N Y
Cleveland Crane & Engrg Co 5866 E 283rd St Wickliffe Ohio
Detroit Hoist & Machine Co 8216 Morrow St Detroit 11 Mich
Electro Life Inc 204 Sargent Ave Clifton N J
HARNISCHFEGER CORP P & H Construction & Mining Div 4400 W National Ave Tonawanda N Y
Ohio Hoist Mfg 321 S Beaver St Lisbon Ohio
Wright Hoist Div American Chain & Cable Co York Pa
Yale & Towne Mfg Co Yale Materials Handling Div 11000 Roosevelt Blvd Philadelphia 15 Pa

HOISTS, Chain or Cable, Pneumatic

Aro Equipment Corp Bryan Ohio
CHICAGO PNEUMATIC TOOL CO 8 E 44th St New York 17 N Y
Curtis Mfg Co Pneumatic Div 1905 Kienlen Ave St Louis 33 Mo
Detroit Hoist & Machine Co 8216 Morrow St Detroit 11 Mich
Gardner-Denver Co S Front St Quincy Ill
HOLMES CO ERNEST 2505 E 43rd St Chattanooga 7 Tenn
INGERSOLL-RAND CO 11 Broadway New York 4 N Y
Thor Power Tool Co 175 N State St Aurora Ill

HOISTS, MONORAIL—See Cranes, Monorail
HOISTS, TRUCK BODY—See Body Hoists
HOISTS, VEHICLE LIFTING—See Lifts

HOLDERS, Air Brake Hose

BENDIX WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO 901 Cleveland Road Elyria Ohio
Berg Mfg & Sales Co 1712-14 S Michigan Ave Chicago 16 Ill
EIS AUTOMOTIVE CORP N Main & High Sts Middletown Conn
Fawick Brake Div Fawick Corp 9921 Clinton Rd Cleveland 9 Ohio
Velvac Inc 3534 W Pierce St Milwaukee 15 Wis

HOLDERS, ELECTRODE—See Welders & Equipment
HOLDERS, LOAD—See Tie-Downs, Cargo
HONES, CYLINDER—See Cylinder Hones

HONES, Small Bore (For Piston Pins, Brake Cylinders, Bushings, Etc.)

Ammco Tools Inc 2100 Commonwealth Ave North Chicago Ill
BARRETT EQUIPMENT CO 2101 Cass Ave St Louis 6 Mo
EIS AUTOMOTIVE CORP N Main & High Sts Middletown Conn
Hall Toledo Inc 2931 South Ave Toledo 9 Ohio
HASTINGS MFG CO N Hanover St Hastings Mich
HERBRAND DIV Bingham - Herbrand Corp Lake & Stone Sts Fremont Ohio
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Lisle Corp 809 E Main St Clarinda Iowa
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
New Britain Machine Co Hand Tools Div South St New Britain Conn
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Sunnen Products Co 7910 Manchester Ave St Louis 17 Mo
WAGNER ELECTRIC CORP 6470 Plymouth Ave St. Louis 33 Mo

HOOKS, TOWING—See Towing Bars & Hooks

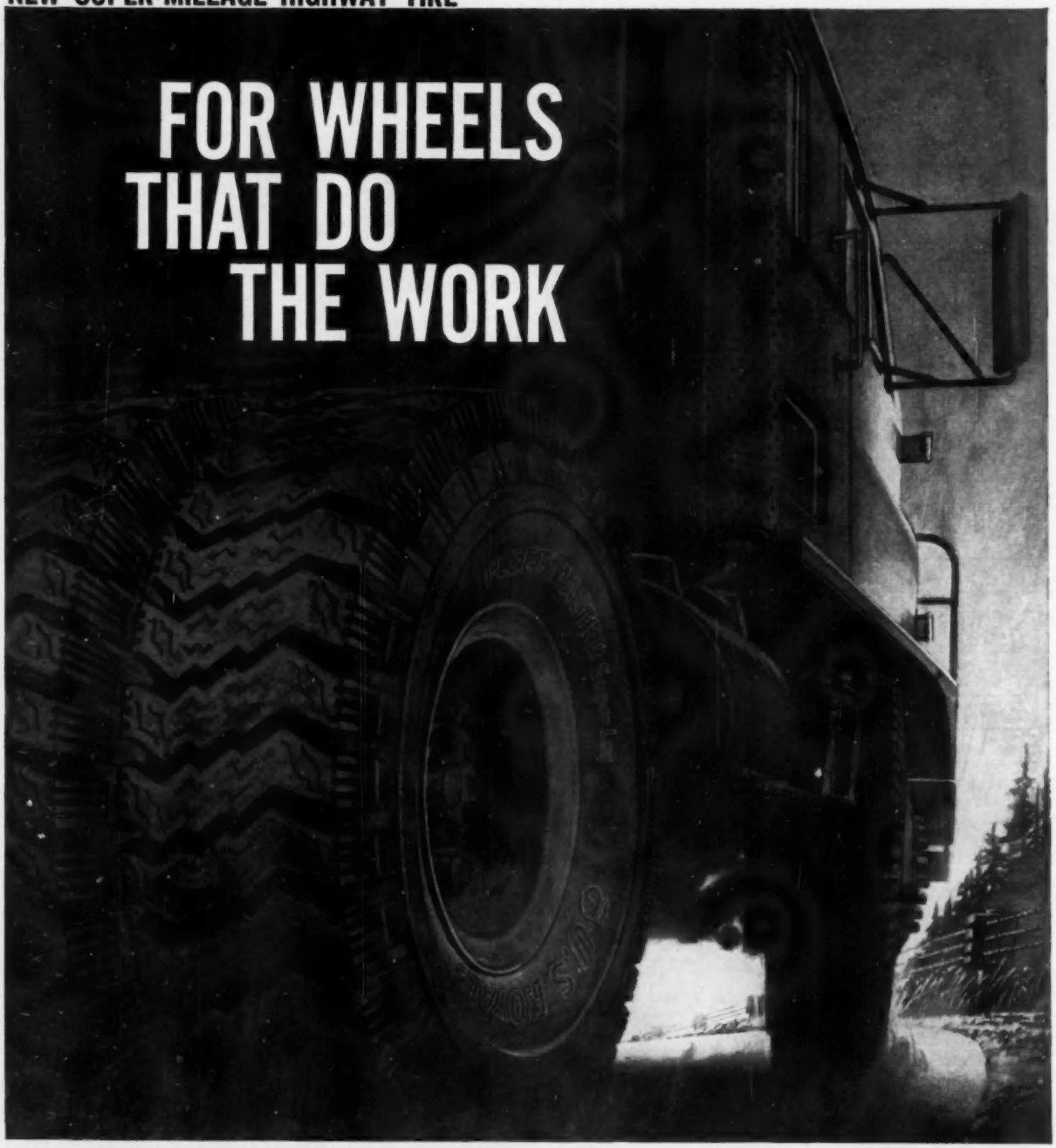
HORNS, Air

BENDIX-WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO 901 Cleveland Road Elyria Ohio
Buell Mfg Co P O Box 206 Lyons Ill
Grover Products Co 1233 S Hope St Los Angeles 15 Cal
Hadley Mfg Co 2221 Albion St Toledo 6 Ohio
Sparton Automotive Div Sparton Corp Jackson Mich
Trico Products Corp 817 Washington St Buffalo 3 N Y
WAGNER ELECTRIC CORP 6470 Plymouth Ave St Louis 33 Mo

HORNS, Electric

BOSCH CORP ROBERT 40-25 Crescent St Long Island City 1 N Y

NEW SUPER-MILEAGE HIGHWAY TIRE



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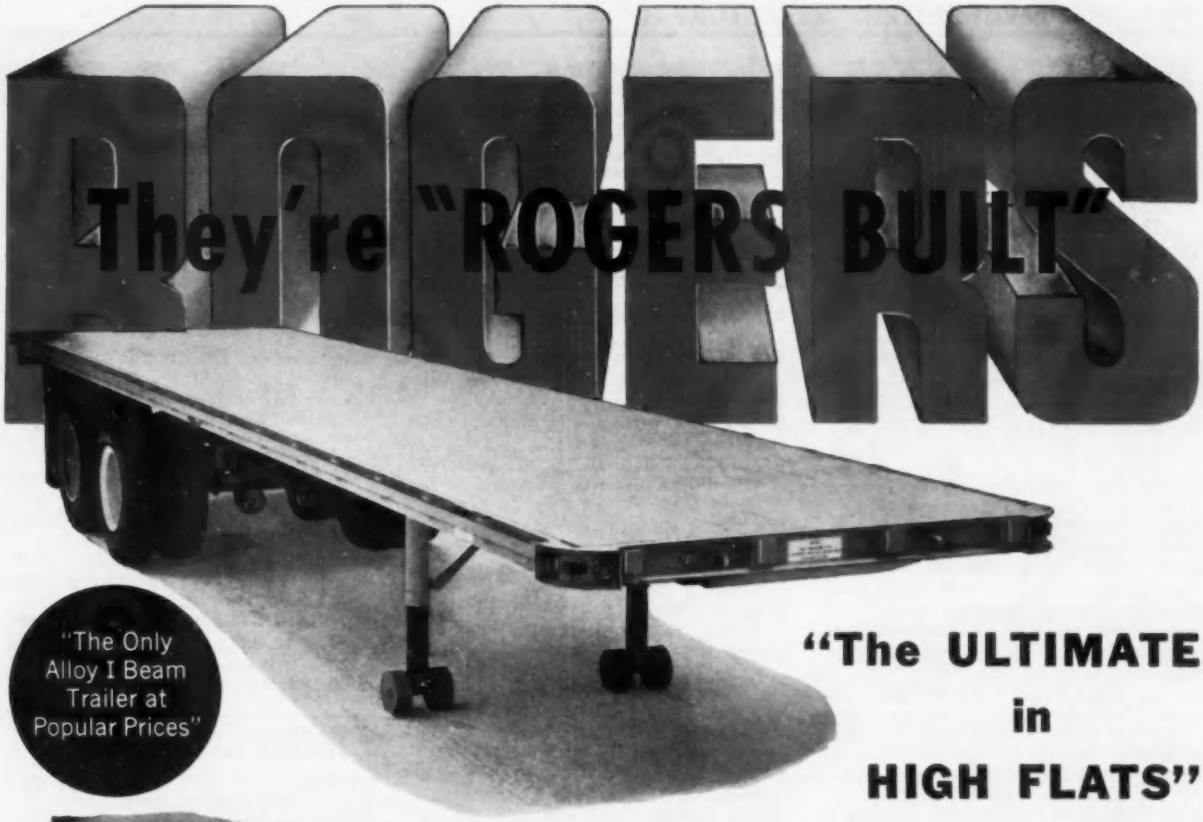


"The Only Alloy I Beam Trailer at Popular Prices"

"The ULTIMATE in HIGH FLATS"

Hi-tensile steel and lightweight, yet ruggedly constructed for durability. Basic design and operational features measure up to the high standards consistently maintained in all Roger Trailers.

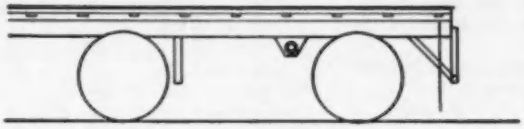
Ultra-modern, lightweight wheel suspension. Controlled brake reaction; no hopping or chattering. Get all the facts.

The frame is built from structural steel members.

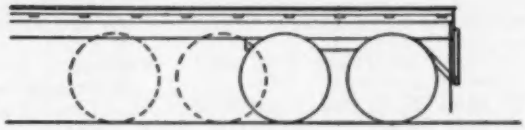
These quality trailers help maintain the 56 year Rogers reputation as "Master Builders in the Trailer Field."

SHOWN Here are Some of the Axle Suspensions Offered by Rogers.

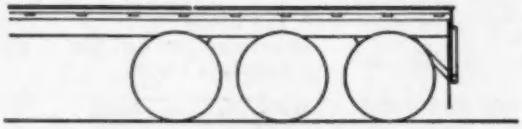
(New literature available gives complete information, dimensions and specifications on all suspension versions.)



▲ Spread Tandem



▲ Sliding Tandem



▲ Triple-Axle Tandem

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Company_____ Title_____

Street Address_____

City_____ State_____

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HORNS, Electric—continued

DELCO-REMY DIV General Motors Corp Anderson Ind
Do-Ray Lamp Co Inc 1458 S Michigan Ave Chicago 5 Ill
ELECTRIC AUTOLIGHT CO THE (PRESTOLITE) Toledo 1 Ohio
Sparton Automotive Div Sparton Corp Jackson Mich
UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich

HORNS, Siren (For Emergency Vehicles)

American-La France Div Sterling Precision Corp 100 E La France St Elmira N Y
Fyr-Fyter Co Portable Fire Equipment Div 221 Crane St Dayton 1 Ohio
Grover Products Co 1233 S Hope St
Standard Carriage Works 4120 Bandini Blvd Los Angeles 23 Cal

HORNS, Vacuum Operated

Grover Products Co 1233 S Hope St Los Angeles 15 Cal
Hadley Mfg Co 2221 Albion St Toledo 6 Ohio
Trico Products Corp 817 Washington St Buffalo 3 N Y

HORN RELAYS—See Relays Electrical

HOSE

HOSE, Air Brake

Aeroquip Corp 300 S East Ave Jackson Mich
Anchor Coupling Co 342 N 4th St Libertyville Ill
BENDIX PRODUCTS DIV Bendix Corp 401 N Bendix Dr South Bend 20 Ind
BENDIX-WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO 901 Cleveland Rd Elyria Ohio
DAYCO Corp Rubber Products Div 200 N Janice Ave Melrose Park Ill
Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn
Fawick Brake Div Fawick Corp 9921 Clinton Rd Cleveland 9 Ohio
GATES RUBBER CO 999 S Broadway Denver 17 Colo
GOODYEAR TIRE & RUBBER CO 1144 E Market St Akron 16 Ohio
GREY-ROCK DIV Raybestos-Manhattan Inc 12 East Stiegal St Manheim Pa
Imperial Brass Mfg Co 6300 W Howard St Chicago 48 Ill
Industrial Steel Tank & Body Works Inc 2533 Fourth St Berkeley 10 Cal
LEE RUBBER & TIRE CORP Conshohocken Pa
Lincoln Engineering Co 4010 Goodfellow Blvd St Louis 20 Mo
Raybestos-Manhattan Plastic Products Div Manheim Pa
Stratoflex Inc 220 Roberts St Fort Worth Texas
THERMOID DIV Porter Co H K 200 Whitehead Rd Trenton 6 N J
Velvac Inc 3534 W Pierce St Milwaukee 15 Wis
WAGNER ELECTRIC CORP 6470 Plymouth Ave St Louis 35 Mo
WEATHERHEAD CO 300 E 131st St Cleveland 8 Ohio
WOHLERT CORP 708 E Grand River Ave Lansing 5 Mich

HOSE, Air (For Shop)

Aeroquip Corp 300 S East Ave Jackson Mich
ALEXANDER-TAGG INDUSTRIES INC Jacksonville Rd & Summit Ave Hatboro Pa
Balcrank Inc Disney St nr Marburg Cincinnati Ohio
BENDIX-WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO 901 Cleveland Road Elyria Ohio
Binks Mfg Co 3114-44 W Carroll Ave Chicago 12 Ill
BREEZE CORP INC 700 Liberty Ave Union N J (clamps only)
CHICAGO PNEUMATIC TOOL CO 2 E 44th St New York 17 N Y
DAYCO Corp Rubber Products Div 200 N Janice Ave Melrose Park Ill
De Vilbiss Co 300 Phillips Ave Toledo 1 Ohio
Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn
GABRIEL CO Briggs Div 1148 Euclid Ave Cleveland 15 Ohio
GATES RUBBER CO 999 S Broadway Denver 17 Colo
Goodrich Industrial Products Co B F 500 S Main St Akron Ohio
GOODYEAR TIRE & RUBBER CO 1144 E Market St Akron 16 Ohio
GRAY CO INC 760 Graco Square Minneapolis 13 Minn
Imperial Brass Mfg Co 6300 W Howard St Chicago 48 Ill
LEE RUBBER & TIRE CORP Conshohocken Pa
Lincoln Engineering Co 4010 Goodfellow Blvd St Louis 20 Mo
Raybestos-Manhattan Inc Manhattan Rubber Div 61 Willet St Passaic N J
REVERE COPPER & BRASS INC 230 Park Ave New York 17 N Y
SCHRADER'S SON A Div Scovill Mfg Co 470 Vanderbilt Ave Brooklyn 38 N Y
THERMOID DIV Porter Co H K 200 Whitehead Rd Trenton 6 N J
Thor Power Tool Co 175 N State St Aurora Ill
Titeflex Inc Hendee St Springfield 4 Mass
UNITED STATES RUBBER CO Rockefeller Center 1230 Ave of the Americas New York 20 N Y
Velvac Inc 3534 W Pierce St Milwaukee 15 Wis
WEATHERHEAD CO 300 E 131st St Cleveland 8 Ohio

HOSE, GASOLINE—See Fuel Lines, Flexible

HOSE, Grease & Oil

Aeroquip Corp 300 East Ave Jackson Mich
Anchor Coupling Co 342 N 4th St Libertyville Ill
Balcrank Inc Disney St nr Marburg Cincinnati 9 Ohio
BREEZE CORP INC 700 Liberty Ave Union N J (Clamps Only)
Edelmann & Co E 2332 Logan Blvd Chicago 47 Ill
GATES RUBBER CO 999 S Broadway Denver 17 Colo
GRAY CO INC 760 Graco Square Minneapolis 13 Minn
Haywood Industries P O Box 1004 Dayton 1 Ohio
Imperial Brass Mfg Co 6300 W Howard St Chicago 48 Ill
Lincoln Engineering Co 4010 Goodfellow Blvd St Louis 20 Mo
Republic Rubber Div Lee Rubber & Tire Corp Albert St Youngstown Ohio
Stratoflex Inc 220 Roberts St Fort Worth Texas
THERMOID DIV Porter Co H K 200 Whitehead Rd Trenton 6 N J
UNITED STATES RUBBER CO Rockefeller Center 1230 Ave of the Americas New York 20 N Y
UNIVERSAL LUBRICATING SYSTEMS INC 801 Allegheny Ave Oakmont Pa
WEATHERHEAD CO 300 E 131st St Cleveland 8 Ohio

HOSE, Heater

BREEZE CORP INC 700 Liberty Ave Union N J (Clamps Only)
DAYCO Corp Rubber Products Div 200 N Janice Ave Melrose Park Ill
Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn
Everhot Products Co 2001 W Carroll Ave Chicago 12 Ill
FIRESTONE TIRE & RUBBER CO 1200 Firestone Parkway Akron 17 Ohio
GATES RUBBER CO 999 S Broadway Denver 17 Colo
Goodrich Industrial Products Co B F 500 S Main St Akron Ohio
GOODYEAR TIRE & RUBBER CO 1144 E Market St Akron 16 Ohio
GREY-ROCK DIV Raybestos-Manhattan Inc 12 East Stiegal St Manheim Pa
Huppower Division Hupp Corp 7450 Melville St Detroit 17 Mich
KYSOR HEATER CO 1100 W Wright St Cadillac Mich
LEE RUBBER & TIRE CORP Conshohocken Pa
THERMOID DIV Porter Co H K 200 Whitehead Rd Trenton 6 N J
UNITED STATES RUBBER CO Rockefeller Center 1230 Ave of the Americas New York 20 N Y
Velvac Inc 3534 W Pierce St Milwaukee 15 Wis
WEATHERHEAD CO 300 E 131st St Cleveland 8 Ohio

HOSE, Hydraulic Brake

Aeroquip Corp 300 S East Ave Jackson Mich
Anchor Coupling Co 342 N 4th St Libertyville Ill
Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn
EIS AUTOMOTIVE CORP N Main & High Sts Middletown Conn

Everhot Products Co 2001 W Carroll Ave Chicago 12 Ill
GATES RUBBER CO 999 S Broadway Denver 17 Colo
GOODYEAR TIRE & RUBBER CO 1144 E Market St Akron 16 Ohio
Goodrich Industrial Products Co B F 500 S Main St Akron Ohio
Grizzly Brake Div Mar Pro Inc 168 N Michigan Ave Chicago 1 Ill
Imperial Brass Mfg Div General Motors Corp 2727 Inland Ave Dayton 1 Ohio
Inland Mfg Div General Motors Corp 2727 Inland Ave Dayton 1 Ohio
LEE RUBBER & TIRE CORP Conshohocken Pa
Lisle Corp 809 E Main St Clarinda Iowa
Stratoflex Inc 220 Roberts St Fort Worth Texas
THERMOID DIV Porter Co H K 200 Whitehead Rd Trenton 6 N J
UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich
UNITED PARTS DIV Echlin Mfg Co 1250 W Van Buren St Chicago 7 Ill
UNITED STATES RUBBER CO Rockefeller Center 1230 Ave of the Americas New York 20 N Y
WEATHERHEAD CO 300 E 131st St Cleveland 8 Ohio
WAGNER ELECTRIC CORP 6470 Plymouth Ave St Louis 33 Mo
WOHLERT CORP 708 E Grand River Ave Lansing 5 Mich

HOSE, Radiator

Anchor Packing Co 401 N Broad St Philadelphia 8 Pa
BREEZE CORP INC 700 Liberty Ave Union N J (Clamps Only)
DAYCO Corp Rubber Products Div 200 N Janice Ave Melrose Park Ill
Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn
Egan Mfg Co H B P O Box 1406 Muskogee Okla
Firestone Industrial Products Co Noblesville Ind
FIRESTONE TIRE & RUBBER CO 1200 Firestone Pkwy Akron 17 Ohio
GATES RUBBER CO 999 S Broadway Denver 17 Colo
Goodrich Industrial Products Co B F 500 S Main St Akron Ohio
GOODYEAR TIRE & RUBBER CO 1144 E Market St Akron 16 Ohio
Imperial Brass Mfg Co 6300 W Howard St Chicago 48 Ill
JOHNS-MANVILLE CORP 22 E 40th St New York 16 N Y
THERMOID DIV Porter Co H K 200 Whitehead Rd Trenton 6 N J
UNITED STATES RUBBER CO Rockefeller Center 1230 Ave of the Americas New York 20 N Y
Velvac Inc 3534 W Pierce St Milwaukee 15 Wis

HOSE, Refrigerator

Aeroquip Corp 300 S East Ave Jackson Mich
Dole Refrigerating Co 5910 N Pulaski Rd Chicago 46 Ill
Imperial Brass Mfg Co 6300 W Howard St Chicago 48 Ill
LEE RUBBER & TIRE CORP Conshohocken Pa
Stratoflex Inc 220 Roberts St Fort Worth
THERMOID DIV Porter Co H K 200 Whitehead Rd Trenton 6 N J
WEATHERHEAD CO 300 E 131st St Cleveland 8 Ohio

HOSE, Vacuum Brake

Aeroquip Corp 300 S East Ave Jackson Mich
BENDIX PRODUCTS DIV Bendix Corp 401 N Bendix Dr South Bend 20 Ind
DAYCO Corp Rubber Products Div 200 N Janice Ave Melrose Park Ill
Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn
EIS AUTOMOTIVE CORP N Main & High Sts Middletown Conn
GATES RUBBER CO 999 S Broadway Denver 17 Colo
GOODYEAR TIRE & RUBBER CO 1144 E Market St Akron 16 Ohio
Imperial Brass Mfg Co 6300 W Howard St Chicago 48 Ill
LEE RUBBER & TIRE CORP Conshohocken Pa
THERMOID DIV Porter Co H K 200 Whitehead Rd Trenton 6 N J
UNITED STATES RUBBER CO Rockefeller Center 1230 Ave of the Americas New York 20 N Y
Velvac Inc 3534 W Pierce St Milwaukee 15 Wis
WEATHERHEAD CO 300 E 131st St Cleveland 8 Ohio

HOSE, Vacuum

Aeroquip Corp 300 S East Ave Jackson Mich
BENDIX PRODUCTS DIV Bendix Corp 401 N Bendix Dr South Bend 20 Ind
DAYCO Corp Rubber Products Div 200 N Janice Ave Melrose Park Ill
Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn
GATES RUBBER CO 999 S Broadway Denver 17 Colo
GOODRICH TIRE CO B F Div Goodrich Co B F 500 S Main St Akron 18 Ohio
GOODYEAR TIRE & RUBBER CO 1144 E Market St Akron 16 Ohio
Imperial Brass Mfg Co 6300 W Howard St Chicago 48 Ill
LEE RUBBER & TIRE CORP Conshohocken Pa
SPRAGUE DEVICES INC 500 Huron St Michigan City Ind
THERMOID DIV Porter Co H K 200 Whitehead Rd Trenton 6 N J
Trico Products Corp 817 Washington St Buffalo N Y
Velvac Inc 3534 W Pierce St Milwaukee 15 Wis
WEATHERHEAD CO 300 E 131st St Cleveland 8 Ohio

HOSE, Welding

Aeroquip Corp 300 S East Ave Jackson Mich
Air Reduction Sales Co Div Air Reduction Co Inc Socony-Mobil Bldg 150 E 42nd St New York 17 N Y
BREEZE CORP INC 700 Liberty Ave Union N J (Clamps Only)
DAYCO Corp Rubber Products Div 200 N Janice Ave Melrose Park Ill
Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn
GATES RUBBER CO 999 S Broadway Denver 17 Colo
Goodrich Industrial Products Co B F 500 S Main St Akron Ohio
GOODYEAR TIRE & RUBBER CO 1144 E Market St Akron 16 Ohio
Linde Co Div Union Carbide Corp 270 Park Ave New York 17 N Y
MARQUETTE MFG CO Div Marquette Corp 307 E Hennepin Ave Minneapolis 14 Minn
MONARCH ROAD MACHINERY CO 1331 Michigan St N E Grand Rapids 3 Mich
Nat'l Cylinder Gas Co Div of Chemetron Corp 840 N Michigan Ave Chicago 11 Ill
RAYBESTOS DIV Raybestos-Manhattan Inc P O Box 1021 Bridgeport 2 Conn
Republic Rubber Div Lee Rubber & Tire Corp Albert St Youngstown 1 Ohio
THERMOID DIV Porter Co H K 200 Whitehead Rd Trenton 6 N J
UNITED STATES RUBBER CO Rockefeller Center 1230 Ave of the Americas New York 20 N Y

HUBODOMETERS

Actuator Products Corp P O Box 247 40 Nashua St Woburn Mass
ENGLER INSTRUMENT CO 250 Culver Ave Jersey City 5 N J
KING - SEELEY THERMOS CO 315 S First St Ann Arbor Mich
Veeder-Root Inc 20 Sargeant St Hartford 2 Conn

HUB OIL SEALS

CHICAGO RAWHIDE MFG CO 1301 Elston Ave Chicago 22 Ill
MECHANEX CORP 3773 S Jason St Englewood Colo
Stemco Mfg Co P O Box 1628 Longview Texas

HUMIDITY REGULATORS

Daystrom Inc Weston Instruments Div 614 Freylinghuysen Ave Newark 12 N J
De Vilbiss Co 300 Phillips Ave Toledo 1 Ohio
Minneapolis - Honeywell Regulator Co Industrial Div Wayne & Windrim Aves Philadelphia 44 Pa
Partlow Corp The 244 Campion Rd New Hartford N Y

HYDRAULIC PUMPS & MOTORS

Bendix Lakeshore Div Bendix Corp Lake Shore Dr St Joseph Mich
Clark Equipment Co Hydraulic Products Div Benton Harbor Mich
Eaton Mfg Co Pump Div W Hanover St Marshall Mich
HEIN-WERNER CORP 1200 National Ave Waukesha Wis
Long Mfg Div Borg-Warner Corp 12501 Dequindre St Detroit 12 Mich
MONARCH ROAD MACHINERY CO 1331 Michigan St N E Grand Rapids 3 Mich

FROM COAST TO COAST . . .
wherever you see this sign

CRACKED

ENGINE HEADS and BLOCKS ARE STRESSED-RELIEVED
and returned to service
STRONGER THAN EVER
Quickly! Efficiently! Economically!

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SALSBURY IRONTITE SYSTEM

CRACKED ENGINE

BLOCK & HEAD REPAIR SERVICE

Fleet owners and maintenance men who used to throw away cracked blocks and heads are now saving many thousands of dollars formerly spent on replacement units . . . thanks to the time-tested Salsbury Irontite system of cracked block and head repair. "Down time" is reduced to a minimum. Blocks and heads are repaired fast, dependably, economically. They are permanently stress-relieved. Satisfaction is guaranteed. Authorized Salsbury Irontite Repair Stations are located in principal cities from coast to coast. Contact the one nearest you, or write to SALSBURY CORPORATION, (Dept. CCJ), 1161 E. Florence Avenue, Los Angeles 1, California.

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ALBUQUERQUE, N. M.
Pound Bros.
412 Marble St.

CHICAGO, ILLINOIS
Sureway Automotive Engr. Co.
1734 W. North Ave.

DALLAS, TEXAS
Dallas Head & Block
2615 Parvia St.

HOUSTON, TEXAS
Motor Machine Co.
1310 Polk Ave.

JACKSONVILLE, FLA.
Bill Graham
143 Copeland St.

LOS ANGELES, CALIF.
West Head Shop
5420 S. Santa Fe

MANCHESTER, N. H.
Motor Rebuilding
27 Sagamore St.

NEW ORLEANS, LA.
Piston Ring Service Co.
1200 S. Clairborne Ave.

OKLAHOMA CITY, OKLA.
Industrial Welders, Inc.
516 S. E. 29th St.

PORTLAND, OREGON
Northwest Motor Welding
3063 N. Michigan

SACRAMENTO, CALIF.
Capital Cylinder Head Shop
2030 Third St.

SEATTLE, WASH.
Engineering Development Co.
1415 W. 49th St.

BY FAR THE MOST POPULAR FLEET CAR IN THE MEDIUM-PRICE FIELD!

'62 OLDS DYNAMIC 88

Fleet operators know that Oldsmobile's Dynamic 88 gives them "something extra" in business-building prestige, profit-making quality and economy, extra-high resale value!

There are many reasons why fleet operators have made the Dynamic 88 the *most popular fleet car in the medium-price field!*

They know, for example, that Oldsmobile's unique stature and acceptance reflect favorably on the image of *their own* company.

They know that Olds Rocket V-8 Engines—teamed with 1962 4-S Hydra-Matic*—assure both *smooth performance and outstanding economy.*

They know that Oldsmobile's well-founded reputation for *superior quality* saves them money on downtime and service.

And they know that this combination of a quality-built, well-equipped automobile . . . powered by a V-8 engine and a fine automatic transmission . . . pays off in *substantially higher resale,* too!

• • •

Send today for your free copy of Oldsmobile's 1962 "Fleet Facts" folder. Write to National Fleet Sales Manager, Oldsmobile Division, General Motors Corporation, Lansing 21, Michigan. And see *all* the '62 Oldsmobile models . . . at your Quality Dealer's!

**Standard on Ninety-Eight and Starfire . . . optional at extra cost on Super 88, Dynamic 88 and F-85 models.*

There's "SOMETHING EXTRA" about operating an OLDS!

HYDRAULIC PUMPS & MOTORS—cont'd

Muncie Parts Mfg Co P O Box 348 Muncie Ind
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
SUNDSTRAND HYDRAULIC DIV Sundstrand Corp 2210 Harrison Ave Rockford Ill
THOMPSON PRODUCTS Michigan Div 34201 Van Dyke Ave Warren Mich
Vickers Inc Div Sperry-Rand Corp 1400 Oakman Blvd Detroit 32 Mich
Wisconsin Hydraulics Inc 3165 N 30th St Milwaukee Wis

HYDRAULIC TOOLS & EQUIPMENT—See Products desired

HYDROMETERS, Battery & Coolant

BISHMAN MANUFACTURING CO Route 2 Osseo 26 Minn
DU PONT DE NEMOURS & CO E I Polychemical Dept Zerone & Zerex Antifreeze Sales Section Wilmington 98 Del
Edelmann & Co E 2332 Logan Blvd Chicago 47 Ill
EXIDE AUTOMOTIVE DIV Electric Storage Battery Co P O Box 6266 Cleveland 1 Ohio
Fox Products Co 47200 N 18th St Philadelphia 41 Pa
Imperial Brass Mfg Co 6300 W Howard St Chicago 48 Ill
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Sun Electric Corp Harlem & Avondale Chicago 31 Ill
Taylor Instrument Co 95 Ames St Rochester 1 N Y
WILLARD STORAGE BATTERY DIV Electric Storage Battery Co P O Box 6266 Cleveland 1 Ohio

IGNITION

IGNITION CABLE

AUTOLITE DIV Ford Motor Co P O Box 2339 Dearborn Mich
BELDEN MFG CO 415 S Kilpatrick St Chicago 80 Ill
Cole-Hersee Co 20 Old Colony Ave Boston 27 Mass
Copperweld Steel Co Flexo Wire Div 70 W First St Oswego N Y
Crescent Co Inc Central Ave Pawtucket R I
ELECTRIC AUTOLITE CO THE (PRESTOLITE) Toledo 1 Ohio
EXIDE AUTOMOTIVE DIV Electric Storage Battery Co P O Box 6266 Cleveland 1 Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
PACKARD ELECTRIC DIV General Motors Corp Dana St Warren Ohio
STANDARD MOTOR PRODUCTS INC 37-08 Northern Blvd Long Island City N Y
TRIPLE-A SPECIALTY CO 2835 N Western Ave Chicago 18 Ill
UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich
Velvac Inc 3534 W Pierce St Milwaukee 15 Wis
Walker Bros River & End Sts Conshohocken Pa
Whitaker Cable Corp 1301-15 Burlington Ave North Kansas City 16 Mo
WILLARD STORAGE BATTERY DIV Electric Storage Battery Co P O Box 6266 Cleveland 1 Ohio

IGNITION COILS

AUTOLITE DIV Ford Motor Co P O Box 2339 Dearborn Mich
BOSCH CORP ROBERT 40-25 Crescent St Long Island City 1 N Y
DELCO-REMY DIV General Motors Corp Anderson Ind
ECHLIN MFG CO P O Box 472 Branford Conn
ELECTRIC AUTOLITE CO THE (PRESTOLITE) Toledo 1 Ohio
F & B MFG CO 4248 W Chicago Ave Chicago 51 Ill
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Guaranteed Parts Co Inc Auburn Rd Seneca Falls N Y
HOLLEY CARBURETOR CO 11955 E Nine Mile Rd Warren Mich
Kem Mfg Co 20-21 Wagaraw Rd Fair Lawn N J
Mallory Electric Corp 12416 Cloverdale Ave Detroit 4 Mich
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Niehoff & Co C E 4925 W Lawrence Ave Chicago 30 Ill
P & D MFG CO INC 19-02 Steinway St Long Island City N Y
Preferred Electric & Wire Co Bush Terminal Bldg No 8 Brooklyn 32 N Y
Shurhit Products Inc 845 S Market St Waukegan Ill
STANDARD MOTOR PRODUCTS INC 37-08 Northern Blvd Long Island City N Y
Tungsten Contact Mfg Co 7311 Cottage Ave North Bergen N J
UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich

REMEMBER: Vehicle makers offer parts and components for their own vehicles. Generally it is not possible to list them under all the product headings involved. Also many makers have a line of reconditioned (by qualified local rebuilders) parts and components, and some supply parts and components for other makers' vehicles. Vehicle makers who have a separately named division for handling parts and components are listed under the heading "Replacement Parts". Otherwise the address is as shown under the appropriate vehicle heading. For example, "Trucks" or "Trailers".

IGNITION CONDENSER TESTERS

Auto Test Inc 600 S Michigan Ave Chicago 5 Ill
Du Mont Laboratories Inc Allen B Div Fairchild Camera and Instrument Corp 750 Bloomfield Ave Clifton N J
Heyer Industries Inc 500 Cortland St Belleville 9 N J
King Electric Equipment Co 9123 Inman Ave Cleveland 5 Ohio
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
STANDARD MOTOR PRODUCTS INC 37-08 Northern Blvd Long Island City N Y
Sun Electric Corp Harlem & Avondale Chicago 31 Ill
WEIDENHOFF CORP Hwy #18 Algona Iowa

IGNITION DISTRIBUTORS

AUTOLITE DIV Ford Motor Co P O Box 2338 Dearborn Mich
BOSCH CORP ROBERT 40-25 Crescent St Long Island City 1 N Y
DELCO-REMY DIV General Motors Corp Anderson, Ind
ECHLIN MFG CO Echlin Rd at U S #1 Branford Conn
ELECTRIC AUTOLITE CO THE (PRESTOLITE) Toledo 1 Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
HOLLEY CARBURETOR CO 11955 E Nine Mile Rd Warren Mich
King Electric Equipment Co 9123 Inman Ave Cleveland 5 Ohio
Mallory Electric Corp 12416 Cloverdale Ave Detroit 4 Mich
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Shurhit Products Inc 845 S Market St Waukegan Ill
UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich

IGNITION DISTRIBUTOR TESTERS

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
Allen Electric & Equipment Co 2101 N Pitcher St Kalamazoo 13F Mich
Auto Test Inc 600 S Michigan Ave Chicago 5 Ill
BOSCH CORP ROBERT 40-25 Crescent St Long Island City 1 N Y
DAYTON STEEL FOUNDRY CO P O Box 1022 1366 Miami Chapel Rd Dayton 1 Ohio
Fox Valley Instrument Co Route 4 Sheboygan Mich
HERBRAND DIV Bingham - Herbrand Corp Lake & Stone Sts Fremont Ohio
Heyer Industries Inc 500 Cortland St Belleville 9 N J
Kal - Equip Co 411 Washington St Otsego Mich
King Electric Equipment Co 9123 Inman Ave Cleveland 5 Ohio
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Sun Electric Corp Harlem & Avondale Chicago 31 Ill
WEIDENHOFF CORP Hwy #18 Algona Iowa

IGNITION PARTS

AUTOLITE DIV Ford Motor Co P O Box 2338 Dearborn Mich
BOSCH CORP ROBERT 40-25 Crescent St Long Island City 1 N Y
Dayton Automotive Products Co Div Dayton Steel Foundry Co 1366 Miami Chapel Rd Dayton 1 Ohio
DELCO-REMY DIV General Motors Corp Anderson Ind
ECHLIN MFG CO P O Box 472 Branford Conn
ELECTRIC AUTOLITE CO THE (PRESTO-LITE) Toledo 1 Ohio
F & B MFG CO 4248 W Chicago Ave Chicago 51 Ill
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Guaranteed Parts Co Inc Auburn Rd Seneca Falls N Y
HOLLEY CARBURETOR CO 11955 E Nine Mile Rd Warren Mich
Jorin Specialty Co 915 Old Town Rd Clearfield Pa
Kem Mfg Co 20-21 Wagaraw Rd Fair Lawn N J
Mallory Electric Corp 12416 Cloverdale Ave Detroit 4 Mich
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Niehoff & Co C E 4925 Lawrence Ave Chicago Ill
P & D MFG CO INC 19-02 Steinway St Long Island City N Y
Perfection Automotive Products Corp 925 W Elizabeth St Detroit 1 Mich
Preferred Electric & Wire Co Bush Terminal Bldg #8 Brooklyn 32 N Y
Shurhit Products Inc 845 S Market St Waukegan Ill
Sprague Electric Co 344 Marshall St North Adams Mass
STANDARD MOTOR PRODUCTS INC 37-28 Northern Blvd Long Island City N Y
UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich

IGNITION SPRAY

CORROSION REACTION CONSULTANTS 116-5A Chestnut St Philadelphia 6 Pa
DU PONT DE NEMOURS & CO E I Polychemical Dept Chemical Specialties Sales Wilmington 98 Del
SHERWIN - WILLIAMS CO Automotive Refinish Div 101 Prospect Ave N W Cleveland 1 Ohio
STANDARD MOTOR PRODUCTS INC 37-08 Northern Blvd Long Island City N Y

IGNITION SWITCHES—See Switches Ignition
IGNITION TOOLS—See Tools, Ignition
INDICATING SIGNALS—See Signals
INDICATING THERMOMETERS—See Thermometers
INDICATORS, CARBON MONOXIDE—See Alarms, Carbon Monoxide

INDICATORS, Dump Body

Galion Allsteel Body Co 605 S Market St Galion Ohio
Hercules Steel Products Co 500 Sherman St Galion Ohio
Monroe Standard Inc 217 Wyandot Bldg Galion Ohio

INFLATORS, TIRE—See Tire Inflators
INHIBITORS, RUST RADIATOR—See Radiator Rust Inhibitors

INJECTORS, Fuel

Allis-Chalmers Mfg Co Engine Handling Div 1135 S 70th St Milwaukee 1 Wis
American Bosch Div American Bosch Arma Corp 3664 Main St Springfield 7 Mass
BOSCH CORP ROBERT 40-25 Crescent St Long Island City 1 N Y
CAV Div Lucas Electrical Services 14820 Detroit Ave Cleveland 7 Ohio
CUMMINS ENGINE CO INC 1000 Fifth St Columbus Ind
DETROIT DIESEL ENGINE DIV General Motors Corp 13400 Outer Dr Detroit 28 Mich
ECLIPSE MACHINE DIV Bendix Corp 18th St & Oakwood Ave Elmira Heights Troy N Y
HARTFORD MACHINE SCREW CO (ROOSA MASTER) P O Box 1440 Hartford 2 Conn
KORODY MARINE CORP Kermath Engine Work Div 12826A Simms Ave Hawthorne Cal
Marvel-Schebler Products Div Borg-Warner Corp 2195 S Elwin Rd Decatur Ill
Rochester Products Div General Motors Corp 1000 Lexington Ave Rochester 3 N Y
Scintilla Div Bendix Corp Sidney N Y

INJECTOR SERVICE TOOLS

BACHARACH INDUSTRIAL INSTRUMENT CO 200 N Braddock Ave Pittsburgh 8 Pa
BOSCH CORP ROBERT 40-25 Crescent St Long Island City 1 N Y
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn

INSERTS, THREADED—See Threaded Inserts
INSTRUMENTS—See item desired

INSULATION, BODY

Armstrong Cork Co 3003 Robbins Ave Lancaster Pa
DOW CHEMICAL CO Midland Mich
DU PONT DE NEMOURS & CO E I Elastomer Chemicals Dept Wilmington 98 Del
EVANS PRODUCTS CO Heating and Ventilating Div 13101 Eckles Rd Plymouth Mich
Flintkote Co 30 Rockefeller Plaza New York 20 N Y
General Electric Co Apparatus Sales Div 1 River St Schenectady 5 N Y
Glidden Co 900 Union Commerce Bldg Cleveland 14 Ohio
Gustin-Bacon Mfg Co 230 W 10th St Kansas City Mo
Hackney Bros Body Co Herring Ave Box 856 Wilson N C
Haskelite Mfg Div Evans Products Co 701 Ann St N W Grand Rapids Mich
JOHNS-MANVILLE CORP 22 E 40th St New York 16 N Y
KOPPERS CO INC Koppers Bldg Pittsburgh 19 Pa
National Aniline Div Allied Chemical Co 40 Rector St New York 6 N Y
National Vulcanized Fibre Co Maryland Ave & Beech St Wilmington 99 Del
Owens-Corning Fiberglass Corp Nat'l Bank Bldg Toledo 1 Ohio
Perfection Div Hupp Corp 1135 Ivanhoe Rd Cleveland 10 Ohio
PITTSBURGH PLATE GLASS CO Safety Glass Div 1 Gateway Center Pittsburgh 22 Pa
REEVES VULCAN 1071 Ave of the Americas New York 18 N Y
Rubatex Division Great American Industries Inc Bedford Va
UNITED STATES RUBBER CO Rockefeller Center 1230 Ave of the Americas New York 20 N Y

INSURANCE

AETNA CASUALTY & SURETY CO 151 Farmington Ave Hartford 15 Conn
All-State Insurance Co 7447 Skokie Blvd Skokie Ill
American Mutual Liability Insurance Co Wakefield Mass
Carolina Casualty Insurance Co Expressway at Osceola Jacksonville Fla
Continental Casualty Co 310 S Michigan Ave Chicago 4 Ill
Gaines Inc J Gordon 137 S Main St Akron 8 Ohio
Liberty Mutual Insurance Co 175 Berkeley St Boston 17 Mass
Markel Service Inc Insurance Bldg P O Box 6614 Richmond 30 Va
Nationwide Mutual Insurance Co 246 N High St Columbus 16 Ohio
Penna Mfrs Assn Casualty Insurance Co Wakefield Mass
Transport Insurance Co 4100 Harry Hines Blvd Dallas 19 Texas
Travelers Insurance Co The 700 Main St Hartford 15 Conn
Truck Insurance Exchange 4689 Wilshire Blvd Los Angeles 5 Cal

INTAKE MANIFOLDS—See Manifolds
IRONS, SOLDERING—See Soldering Irons, Electric

JACKS

JACKS, Transmission

AUTO SPECIALTIES MFG CO 643 Graves St St Joseph Mich
Blackhawk Automotive Div Blackhawk Mfg Co 5325 W Rogers St Milwaukee 46 Wis
HEIN-WERNER CORP 1200 National Ave Waukesha Wis
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich

JACKS, Transmission—cont'd

SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Stephenson Industries Inc 1695 E Mansfield Rd Bucyrus Ohio
Walker Mfg Co of Wis 1201 Michigan Blvd Racine Wis
Weaver Mfg Div Dura Corp 2177 S Ninth St Springfield Ill

JACKS, Hydraulic (Shop)

AUTO SPECIALTIES MFG CO 643 Graves St St Joseph Mich
Bee Line Co 2237 State St Bettendorf Iowa
Blackhawk Automotive Div Blackhawk Mfg Co 5325 W Rogers St Milwaukee 46 Wis
CHICAGO PNEUMATIC TOOL CO 8 E 44th St New York 17 N Y
Dover Corp Rotary Lift Div 1135 Kansas St Memphis 2 Tenn
Duff-Norton Co P O Box 1719 Charlotte 1 N C
HEIN-WERNER CORP 1200 National Ave Waukesha Wis
Holan Corp 4100 W 150th St Cleveland 35 Ohio
Jack-Pack Mfg Co 2115 N Marianna Ave Los Angeles 32 Cal
Joyce-Cridland Co 2027 E First St Dayton 3 Ohio
Manley Div Douglas Motors Inc 1243 N 62nd St Milwaukee 13 Wis
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
P-F Automotive Div H K Porter Inc 74 Foley St Somerville 43 Mass
Rotary Lift Co 1054 Kansas St Memphis 2 Tenn
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Stephenson Industries Inc 1695 E Mansfield Rd Bucyrus Ohio
Walker Mfg Co of Wis 1201 Michigan Blvd Racine Wis
Watervliet Tool Co P O Box 350 Albany 1 N Y
Weaver Mfg Div Dura Corp 2177 S Ninth St Springfield Ill

JACKS, Mechanical (Shop)

AUTO SPECIALTIES MFG CO INC 643 Graves St St Joseph Mich
Blackhawk Automotive Div Blackhawk Mfg Co 5325 W Rogers St Milwaukee 46 Wis
Duff-Norton Co P O 1719 Charlotte 1 N C
HEIN-WERNER CORP 1200 National Ave Waukesha Wis
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
Rotary Lift Co 1054 Kansas St Memphis 2 Tenn
Walker Mfg Co of Wis 1201 Michigan Blvd Racine Wis
Watervliet Tool Co P O Box 350 Albany 1 N Y
Weaver Mfg Div Dura Corp 2177 S Ninth St Springfield Ill

JACKS, Portable, Air

Automotive Equipment Mfg Co 11000 S Alameda St Lynwood Calif
AUTO SPECIALTIES MFG CO INC 643 Graves St St Joseph Mich
BARRETT EQUIPMENT CO 2101 Cass Ave St Louis 6 Mo
BEAR MFG CO 2016 Fifth Ave Rock Island Ill
Blackhawk Automotive Div Blackhawk Mfg Co 5325 W Rogers St Milwaukee 46 Wis
BRANICK MFG CO P O Box 1937 Fargo N D
CHICAGO PNEUMATIC TOOL CO 8 E 44th St New York 17 N Y
HEIN-WERNER CORP 1200 National Ave Waukesha Wis
Hunter Engineering Co Hunter Ave & Ladus Rd St Louis 24 Mo
Joyce-Cridland Co 2027 E First St Dayton 3 Ohio
Lewis-Shepard Products Inc 1050 Walnut St Watertown 72 Mass
SAV-T-ENGINEERING CO 316 E Beach Ave Inglewood 3 Cal
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Stratton Equipment Co 2030 E 105th St Cleveland 6 Ohio
Walker Mfg Co of Wis 1201 Michigan Blvd Racine Wis
Watervliet Tool Co 413 N Pearl St Albany 1 N Y
Weaver Mfg Div Dura Corp 2171 S Ninth St Springfield Ill

JIGS, CONNECTING ROD ALIGNING—See Connecting Rod Aligning Jigs
JIGS, RING GEAR RIVETING—See Ring Gear Riveting Jigs
JOINTS, UNIVERSAL—See Universal Joints
KING PINS—See Front End Suspension Parts
KING PINS, TRAILER—See Fifth Wheels
LACQUERS—See Paints

LAMPS

LAMP BULBS, Miniature

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
BOSCH CORP ROBERT 40-25 Crescent St Long Island City 1 N Y
GENERAL ELECTRIC CO Miniature Lamp Dept Noble Rd Nela Park Cleveland 12 Ohio
Sylvania Eelectric Products Inc Lighting Div 60 Boston St Salem Mass
TUNG-SOL ELECTRIC INC 95 Eighth Ave Newark 4 N J
UNION CARBIDE CONSUMER PRODUCTS CO Div Union Carbide Corp 270 Park Ave New York 17 N Y
Westinghouse Electric Corp Lamp Div Richmond Ky

LAMPS, Back-up, Clearance, Dome, Tail, Parking & Stop

ANTHES DIV Gleason Corp 325 N Plankinton Ave Milwaukee Wis
ARROW SAFETY DEVICE CO INC Holman St Mount Holly N J
AUTO LAMP MFG CO 2909 S Indiana Ave Chicago 16 Ill
Berg Mfg & Sales Co 1712-14 S Michigan Ave Chicago 16 Ill
BETTS MACHINE CO 1800 Pennsylvania Ave W Warren Pa
Bolser Corp 27th & Main Sts Cedar Falls Iowa
BOSCH CORP ROBERT 40-25 Crescent St Long Island City 1 N Y
Burgess Battery Co Ft of Exchange St Freeport Ill
Columbus Metal Products Box 567 Columbus 16 Ohio
DIETZ CO R E 225 Wilkinson St Syracuse 1 N Y
Do-Ray Lamp Co Inc 1458 Michigan Ave Chicago 5 Ill
ELECTRIC AUTOLITE CO THE (PRESTO-LITE) Toledo 1 Ohio
GENERAL ELECTRIC CO Miniature Lamp Dept Noble Rd Nela Park Cleveland 12 Ohio
Griffin Lamp Co Shelby Miss
GROTE MFG CO State Rte #7 Madison Ind
GUIDE LAMP DIV General Motors Corp P O Box 1090 Anderson Ind
Holan Corp 4100 W 150th St Cleveland 35 Ohio
K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio
KING BEE MFG CO 2600 Washington Blvd Bellwood Ill
Miro-Flex Co 1824 E 2nd St Wichita 7 Kansas
Perfection Automotive Products Corp 925 W Elizabeth St Detroit - Mich
Peterson Mfg Co 4515 E 75th Terrace Kansas City 32 Mo
Robbins Light Mfg Corp 420 N Michigan Ave Greensburg Ind
SIGNAL-STAT CORP 523 Kent Ave Brooklyn 11 N Y
Sparton Automotive Div Sparton Corp Jackson Mich
Speaker Corp J W 3059 N Weil St Milwaukee 12 Wis
Trippe Mfg Co 133 N Jefferson St Chicago 6 Ill
TUNG-SOL ELECTRIC INC 95 Eighth Ave Newark 4 N J
UNION CARBIDE CONSUMER PRODUCTS CO Div Union Carbide Corp 270 Park Ave New York 17 N Y
UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich
U. S. Metal Products Co Inc 1045 Atlantic Ave Brooklyn N Y
Unity Mfg Co 2909 Indiana Ave Chicago 16 Ill
Westinghouse Electric Corp Lamp Div Richmond Ky
YANKEE METAL PRODUCTS CORP 25 Grand St Norwalk Conn

LAMPS, Drying, Baking & Heating

Binks Mfg Co 3114-44 W Carroll Ave Chicago 12 Ill
De Vilbiss Co 300 Phillips Ave Toledo 1 Ohio
Fostoria Pressed Steel N Main St Fostoria Ohio
GENERAL ELECTRIC CO Miniature Lamp Dept Noble Rd Nela Park Cleveland 12 Ohio
Westinghouse Electric Corp Lamp Div Richmond Ky

LAMPS, Fog & Spot

ARROW SAFETY DEVICE CO Holman St Mount Holly N J

LUBE LOGIC

Four new tips

TEXACO

LUBE LOGIC

FOR FLEET OPERATORS

Install inserts this way...and give your bearings a longer lease on life

How you install bearing inserts is one of the biggest factors in determining how your bearings are going to behave. A little extra care when installing the inserts not only makes your bearings run better – but also last longer. Here are a few pointers to watch:

1. Cleanliness. See that both caps and inserts are spotless. Dirt between cap and insert is a major cause of bearing failure.

2. Measurement. Don't guess – make sure you've got the right inserts for the caps and journal diameter.

3. Fit. Double-check to see that bearing inserts are snug in their caps. Check spread and crush. Bearing ends should project about 0.002" beyond the surface of the caps to get a right fit and the right crush. Don't file parting edges or use shims – unless the bearing manufacturer tells you to.

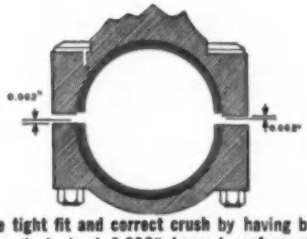
4. Journal Condition. Dress crankshaft to a fine lapped finish. Be sure all wear ridges are removed. Never install bearings on out-of-round or hour-glass-shaped journals.

5. Crankshaft cleaning. Make certain all oil ways are clean and all oil holes are open when bearings are installed. See that the oil holes in the bearings line up with oil holes in the crankcase saddle bores – or with the holes in the connecting rods.

6. Alignment. Check alignment of crankshaft and connecting rods.

7. Lubrication. Oil new inserts and cylinder walls. Fill the crankcase. Idle engine until oil pressure gauge indicates oil passages, filters, coolers, etc. are full of oil.

8. Torque. Set up bearing caps evenly with a torque wrench to the specified torque.



Assure tight fit and correct crush by having bearing ends project about 0.002" beyond surface of rods and caps.

Assure maximum bearing load carrying capacity by making sure all rough shafts or pin surfaces are refinished and lapped.

Assure even pressure on both sides of bearing by using a torque wrench, set to manufacturer's specification. Make sure reading is identical for both sides of bearing.

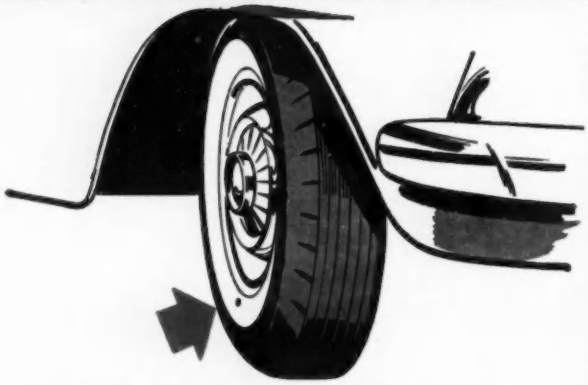
Assure essential lubrication by swabbing and flushing all oilways. Use a fine wire brush followed by flushing oil or kerosine and a clean air blast.

THERE'S MORE INSIDE: Trailin' the Mail with Al | New tips for trimming maintenance costs

help prolong equipment life

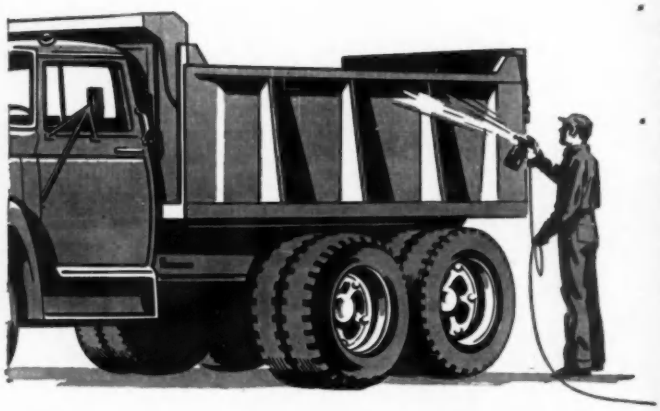
LUBE LOGIC

Four new tips



Look for the scribe mark to balance new tires

Tire valves are lightweight items, but when they're spinning around on a wheel at road speed, they become quite a bit heavier. To prevent any chance that this off-center weight will result in unbalanced tires, many tire-makers put a dot or arrow on the tire to show the point on the tire that should be closest to the valve stem. This precaution is true of tube-type tires that will be used on independently suspended wheels – the front wheels on most fleet cars and light trucks. Wheels on rigid axles, with leaf-springs, aren't so sensitive to this degree of unbalance.



How to make truck exteriors and dry cement part company

Having your trucks and trailers covered with dry cement might be fine if you were filming "The Ghost Fleet," but for every day, caked cement isn't doing your equipment one bit of good. Here's an easy way to prevent it from staying on your equipment: Spray the exteriors completely with Texaco Soluble Oil C. Then . . . oil and accumulated cement come off in one easy washing.

Trailin' the Mail with AL

Shoot in your puzzlers to "Trailin' the Mail with Al," at Texaco's Fleet Sales Division, 135 East 42nd St., New York 17, N. Y. There's a real fine group at the Division – ready to serve every "on-wheels" fleet from coast to coast.

LOCATING A SMALL SHORT

Dear Al:

One of our pick-ups has chronic trouble with batteries going dead. I've had no luck trying to track down the trouble. Wonder if you can help me.

The first time around, I dropped in a new battery and replaced both cables. Next day, the battery was dead. Since even new batteries are sometimes defective—without our knowing it—I dropped in another new battery.

The truck worked fine – but only for a few days. Then the battery went dead again. I recharged the battery, checked the voltage regulator and generator, but again, the pickup only ran for a few days.

This time I replaced wire from distributor to the ignition coil (ignition switch was OK); replaced starter solenoid; replaced distributor points, condenser and spark plugs; checked and found ground cable from starter solenoid OK and making a good ground; checked starter motor and found that OK; checked everything else I could think of. *But the battery was still discharging.*

I'd be glad to have your thoughts on this problem.

J. P. El Paso, Texas

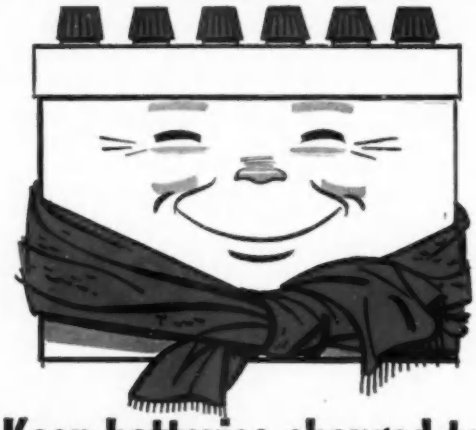
The culprit is probably a ground, or short circuit – a very tiny one, one ampere or less because it takes about 72 hours to discharge a 50 ampere hour battery.

Looking for a short like this is a "needle in the haystack" type deal, but here's a trick that will make the search easier:

Disconnect the positive battery cable and insert a 15-volt voltmeter in series, with the voltmeter "plus" terminal con-

LUBE LOGIC

help prolong equipment life



Keep batteries charged to prevent frost-cracking

A cold snap can wreck a battery permanently if the charge is too low. In a fully charged battery (1.280 reading on the hydrometer), the acid solution is freeze-proof down to 90 below zero. But a battery only half charged (1.180 hydrometer reading) can freeze solid, and crack all the cells, at six below. A completely discharged battery – one left in storage for recharging, for example – can be damaged permanently by 22°F temperature. Moral: in winter, a charge in time can save you the cost of a new battery.

Weldings need electricity ...bearings don't

If you're electric-welding a truck chassis, be sure to attach a ground line between the weld and across any bearings. Otherwise, the current flowing through the bearings can cause pitting and flat spots.

nected to the battery "plus" post. A couple of wires soldered to the smallest wattage 12-volt bulb you've got will do the job, too.

Normally, with everything turned off, the voltmeter should read zero – or the bulb should be dark. On your problem truck, however, you should get either a reading or a lighted bulb – both indicating an "illegal" current flow.

Now, to find the leak, disconnect critical wires *one at a time* until you get a zero reading or a doused light. Circuits that don't show a voltmeter drop when disconnected can be reconnected and the search goes on. When you do get a voltmeter drop or a lighted bulb, you know you've found the guilty circuit. Check it until you find the trouble.

Since most wiring these days is contained in harnesses, make each disconnect either at the part you're investigating or at an intermediate connector sleeve, or at the convenient junction blocks on the firewall.

Where several junctions occur in the same circuit, start at the battery end when making the several successive disconnects necessary to isolate the trouble.

I once ran across a similar situation. We finally tracked it down to a misadjustment of the "Houdini Switch" in the glove compartment. As a result, that hidden light was burning all the time and running down the battery even when the glove compartment was closed.

SHORT CLUTCH LIFE

Dear Al:

We're having problems with the clutch in a 1-ton truck.

After new clutch and pressure plates are installed, the clutch works fine for about 10 days – then it starts to chatter. Shortly after, it starts to shear off the clutch's rear spring center bolts.

As far as I know, the truck is not overloaded.

Can you spot the trouble?

W. M. D., Dillonvale, Ohio

Under normal driving conditions, a clutch facing should last from 50,000 to 100,000 miles. Obviously, you're not getting anywhere near this mileage. So, I suspect your trouble comes from either of these two causes:

Driving habits. Your area is pretty hilly. The driver of this truck might be gunning the truck much too fast up and down those hills in low gears. Nothing wrecks clutches, valve springs, and connecting rod bearings as fast as this kind of driving.

Clutch installation. Any kind of unbalance in the installation can cause vibration and high stresses. You have to be very careful about installation.

Check the installation closely to see that it's carefully assembled, precisely adjusted and correctly lubricated.

Align the clutch cover with the flywheel; carefully tighten all bolts. Doing both these things will do a lot toward preserving concentricity and avoiding distortions.

Lubricate the clutch pilot bearing with a high-melting-point grease like Marfak Heavy Duty 2 or 3 or Marfak Multi Purpose 2. Any other kind of grease may fly off onto the clutch facing and cause chattering and slippage.

TURN THE PAGE FOR NEWS ON VALVE DEPOSITS

LUBE LOGIC

Valve deposits —and what to do about them

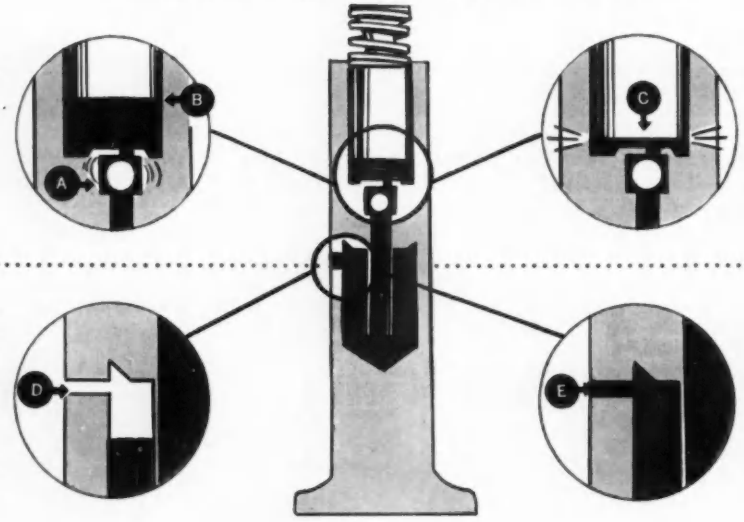
Here's a quick run-down on some common causes of valve deposits, and how you can cure them:

CAUSE	CURE
Intake valve deposits from:	
Gumming material in fuel	Use proper fuel
Improper carburetion	Service carburetor and fuel system to correct fuel ratio.
Worn guides allow excess oil on stem	Replace guides
Improper seating	Service valve, guide, seat, as needed.
Dirty or wrong oil	Replace with right oil, service lubricating system.
Exhaust valve deposits from:	
Improper combustion	Service fuel, ignition system, engine, as required.
Worn guides	Replace
Improper seating	Service valve, guide, seat, as needed.
Dirty or wrong oil	Replace, service lubricating system.

Hydraulic valve lifter noises give clues to ailments

Listen to your hydraulic valve lifters — if you think they're not perking properly. The kind of noise you hear often pinpoints the trouble.

1. Very slight single or multiple noise from a unit. This kind of noise is due either to a leaky check valve (A), or to a plunger having too much clearance in the bore (B).



2. Single loud noise from a unit. This noise is generally due to a hydraulic plunger becoming sticky or tight in the bore to such an extent that the plunger spring will not move the plunger in the bore. This means the plunger is forced all the way down so that it bottoms (C).

3. General noise in the entire set. This kind of noise is a bona fide indication that air is being drawn into the units (D) because the oil level in your engine is too low. You'll start hearing this noise before any real damage is done, but you can't afford to neglect it.

4. General or intermittent noise in the entire set. This kind of noise — here or anywhere else in the engine — can mean there's too much air in the oil (E). Check the inlet side of your oil pump for air leaks.

TEXACO AUTOMOTIVE ENGINEERS

Every month, we'll bring you the latest "doings" in servicing and lubricating your equipment. We'll also bring you "sleepers," little angles, easy to overlook, that can mean big savings in time and money for you. But remember, your Texaco Lubrication Engineer is still the best source for day-to-day money-saving lubrication ideas. He can show you why "Lubrication is a major factor in cost control." Texaco Inc., *Fleet Sales Division*, 135 East 42nd Street, New York 17, New York. Write Dept. CCJ-141.

Tune In: Huntley-Brinkley Report, Monday Through Friday—NBC-T

TEXACO

Throughout the United States

Canada • Latin America • West Afric

TURN THE PAGE FOR NEWS ON VALVE DEPOSITS

LAMPS, Fog & Spot—continued

AUTO LAMP MFG CO 2909 S Indiana Ave Chicago 16 Ill
BOSCH CORP ROBERT 40-25 Crescent St Long Island City 1 N Y
Casco Products Corp 512 Hancock Ave Bridgeport 2 Conn
Columbus Metal Products Box 567 Columbus 16 Ohio
DIETZ CO R E 225 Wilkinson St Syracuse 1 N Y
Do-Ray Lamp Co Inc 1458 S Michigan Ave Chicago 5 Ill
ELECTRIC AUTOLITE CO THE (PRESTOLITE) Toledo 1 Ohio
GENERAL ELECTRIC CO Miniature Lamp Dept Noble Rd Nela Park Cleveland 12 Ohio
Griffin Lamp Co Shelby Miss
GROTE MFG CO State Rte #7 Madison Ind
GUIDE LAMP DIV General Motors Corp P O Box 1090 Anderson Ind
K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio
KING BEE MANUFACTURING CO 2600 W Washington Blvd Bellwood Ill
Perfection Automotive Products Corp 925 W Elizabeth St Detroit 1 Mich
SIGNAL-STAT CORP Signal-stat Bldg 523-539 Kent Ave Brooklyn 11 N Y
Sparton Automotive Div Sparton Corp Jackson Mich
Speaker Corp J W 3059 N Weil St Milwaukee 12 Wis
TUNG-SOL ELECTRIC INC 95 Eighth Ave Newark 4 N J
UNION CARBIDE CONSUMER PRODUCTS CO Div Union Carbide Corp 270 Park Ave New York 17 N Y
Unity Mfg Co 2909 Indiana Ave Chicago 16 Ill
Westinghouse Electric Corp Lamp Div Richmond Ky
YANKEE METAL PRODUCTS CORP 25 Grand St Norwalk Conn

LAMPS, Sealed Beam Units

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
Bolser Corp 27th & Main Sts Cedar Falls Iowa
Do-Ray Lamp Co Inc 1458 S Michigan Ave Chicago 5 Ill
GENERAL ELECTRIC CO Miniature Lamp Dept Noble Rd Nela Park Cleveland Ohio
GUIDE LAMP DIV General Motors Corp P O Box 1090 Anderson Ind
K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio
Speaker Corp J W 3099 N Weil St Milwaukee 12 Wis
TUNG-SOL ELECTRIC INC 95 Eighth Ave Newark 4 N J
UNION CARBIDE CONSUMER PRODUCTS CO Div Union Carbide Corp 270 Park Ave New York 17 N Y
UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich
Unity Mfg Co 2909 Indiana Ave Chicago 16 Ill
Westinghouse Electric Corp Lamp Div MacArthur Ave Bloomfield N J

LAMPS, Sealed Beam (Heavy-Duty)

GENERAL ELECTRIC CO Miniature Lamp Dept Noble Rd Nela Park Cleveland Ohio
TUNG-SOL ELECTRIC INC 95 Eighth Ave Newark 4 N J
Westinghouse Electric Corp Lamp Div MacArthur Ave Bloomfield N J

LAMPS, Tell-Tale

ARROW SAFETY DEVICE CO Holman St Mount Holly N J
Berg Mfg & Sales Co 1712-14 S Michigan Ave Chicago 16 Ill
Columbus Metal Products Box 567 Columbus 16 Ohio
DIETZ CO R E 225 Wilkinson St Syracuse 1 N Y
GENERAL ELECTRIC CO Miniature Lamp Dept Noble Rd Nela Park Cleveland 12 Ohio
GROTE MFG CO State Rte #7 Madison Ind
SIGNAL-STAT CORP 523 Kent Ave Brooklyn 11 N Y
Speaker Corp J W 3059 N Weil St Milwaukee 12 Wis
Westinghouse Electric Corp Lamp Div Richmond Ky

LAMPS, Trouble (Battery)

AUTO LAMP CO 2909 S Indiana Ave Chicago 16 Ill
DIETZ CO R E 225 Wilkinson St Syracuse 1 N Y
GENERAL ELECTRIC CO Miniature Lamp Dept Noble Rd Nela Park Cleveland 12 Ohio
KING BEE MANUFACTURING CO 2600 W Washington Blvd Bellwood Ill
Perfection Automotive Products Corp 925 W Elizabeth St Detroit 1 Mich
TRIPLE-A SPECIALTY CO 2835 N Western Ave Chicago 18 Ill
Unity Mfg Co 2909 Indiana Ave Chicago 16 Ill
Westinghouse Electric Corp Lamp Div Richmond Ky
Whitaker Cable Corp 1301-15 Burlington Ave North Kansas City 16 Mo

LAMPS, Trouble (Shop)

Accurate Products Inc 135 N Spring St Indianapolis Ind
Aro Equipment Corp Bryan Ohio
BELDEN MFG CO 415 S Kilpatrick St Chicago 80 Ill
CORDOMATIC REELS 17th & Indiana Sts Philadelphia 32 Pa
Crescent Co Inc 20 Central Ave Pawtucket R I
DIETZ CO R E 225 Wilkinson St Syracuse 1 N Y
Do-Ray Lamp Co Inc 1458 S Michigan Ave Chicago 5 Ill
GENERAL ELECTRIC CO Miniature Lamp Dept Noble Rd Nela Park Cleveland 12 Ohio
TRIPLE-A SPECIALTY CO 2835 N Western Ave Chicago 18 Ill
Walker Bros River & End Sts Conshohocken Pa
Westinghouse Electric Corp Lamp Div Richmond Ky

LAMPS, Warning (For Roof Mounting)

ARROW SAFETY DEVICE CO Holman St Mount Holly N J
Columbus Metal Products Box 567 Columbus 16 Ohio
DIETZ CO R E 225 Wilkinson St Syracuse 1 N Y
Do-Ray Lamp Co Inc 1458 S Michigan Ave Chicago 5 Ill
GENERAL ELECTRIC CO Miniature Lamp Dept Noble Rd Nela Park Cleveland 12 Ohio
Griffin Lamp Co Shelby Miss
GROTE MFG CO State Rte #7 Madison Ind
GUIDE LAMP DIV General Motors Corp P O Box 1090 Anderson Ind
K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio
KING BEE MFG CO 2600 Washington Blvd Bellwood Ill
SIGNAL-STAT CORP 523 Kent Ave Brooklyn 11 N Y
Speaker Corp J W 3059 N Weil St Milwaukee 12 Wis
Trippe Mfg Co 133 N Jefferson St Chicago 6 Ill
Unity Mfg Co 2909 Indiana Ave Chicago 16 Ill
Westinghouse Electric Corp Lamp Div Richmond Ky
YANKEE METAL PRODUCTS CORP 25 Grand St Norwalk Conn

LANDING GEARS (Trailer)

Austin Trailer Equipment Co 1148 W Western Ave Muskegon Mich
Binkley Co Warrenton Mo
DAYTON STEEL FOUNDRY P O Box 1022 1366 Miami Chapel Rd Dayton 1 Ohio
FRUEHAUF TRAILER CO 10940 Harper Ave Detroit 32 Mich
Highway Trailer Industries Inc 250 Park Ave New York N Y
Holland Hitch Co 430 W 18th St Holland Mich
Homan & Co Inc 511-13 Reading Rd Cincinnati 15 Ohio
Spencer-Safford Loadcraft Inc Augusta Kansas
Standard Carriage Works Inc 4120 Bandini Blvd Los Angeles 23 Cal

LATHES, Bench

Cincinnati Lathe & Tool Co Cincinnati 9 Ohio
Gisholt Machine Co 1205 E Washington Ave Madison 10 Wis
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
South Bend Lathe Inc 425 E Madison 22 Ind

LATHES, BRAKE DRUM—See Brake Drum Lathes
LEAF SPRINGS—See Springs, Leaf

LEASING COMPANIES, Truck (Nationwide)

Berman Service Inc Pennsburg Pa
DIVCO TRUCK DIV Divco-Wayne Corp 22000 Hoover Rd Detroit 5 Mich

LEASING COMPANIES, Truck (Nationwide)—continued

HERTZ TRUCK LEASING & RENTAL SERVICE 501 Tenth Ave New York N Y
National Truck Leasing Systems 23 E Jackson Blvd Chicago 4 Ill
Ryder Truck Rental Div Ryder System Inc Box 33-816 Miami Fla

LEVERS, PARKING BRAKE—See Brakes, Parking

LIFT TRUCKS

LIFT TRUCKS, Gasoline

Allis-Chalmers Mfg Co Milwaukee 14 Wis
American Road Equipment Co 4201 N 26th St Omaha 11 Neb
Automatic Transportation Co Div Yale & Towne Mfg Co 101 W 87th St Chicago 20 Ill
Baker Industrial Truck Div Otis Elevator Co 8000 Baker Ave Cleveland 2 Ohio
Clark Equipment Industrial Trucks Div Lafayette & 24th Sts Battle Creek 85 Mich
Cushman Motor Works Inc 920 N 21st St Lincoln Neb
Hyster Co 2902 N E Clackamus St Portland 8 Ore
Lewis-Shepard Products Inc 1050 Walnut St Watertown 72 Mass
Ottawa Steel Div Young Spring & Wire Corp L A 435½ S Main St Ottawa Kan
Peterbilt Motors Co 38801 Cherry St Newark Cal
Pettibone Mulliken Corp 4700 W Division St Chicago 51 Ill
Silent Hoist & Crane Co 841-889 63rd St Brooklyn 20 N Y
Towmotor Corp 1226 E 152nd St Cleveland 10 Ohio
Yale & Towne Mfg Co Yale Materials Handling Div 11000 Roosevelt Blvd Philadelphia 15 Pa

LIFT TRUCKS, Diesel

Allis-Chalmers Mfg Co 1135 S 70th St Milwaukee 14 Wis
Baker Industrial Truck Div Otis Elevator Co 8000 Baker Ave Cleveland 2 Ohio
Caterpillar Tractor Co 600 W Washington St Peoria Ill
Clark Equipment Co Industrial Trucks Div Lafayette & 24th Sts Battle Creek 85 Mich
Hyster Co 2902 N E Clackamus St Portland 8 Ore
Lewis-Shepard Products Inc 1050 Walnut St Watertown 72 Mass
Silent Hoist & Crane Co 841-889 63rd St Brooklyn 20 N Y
Towmotor Corp 1226 E 152nd St Cleveland 10 Ohio
Yale & Towne Mfg Co Yale Materials Handling Div 11000 Roosevelt Blvd Philadelphia 15 Pa

LIFT TRUCKS, Electric

Automatic Transportation Co Div Yale & Towne Mfg Co 101 W 87th St Chicago 20 Ill
Baker Industrial Truck Div Otis Elevator Co 8000 Baker Ave Cleveland 2 Ohio
Clark Equipment Industrial Trucks Div Lafayette & 24th Sts Battle Creek 85 Mich
Elwell-Parker Electric Co 4205 St Claire Ave Cleveland 3 Ohio
Lewis-Shepard Products Inc 1050 Walnut St Watertown 72 Mass
Pettibone Mulliken Corp 4700 W Division St Chicago 51 Ill
Stratton Equipment Co 2030 E 105th St Cleveland 6 Ohio

LIFT TRUCKS, LP Gas

Allis-Chalmers Mfg Co Engine Material Handling Div 1135 S 70th St Milwaukee 1 Wis
Bay Mfg Div Life Time Products Corp Box 85 Canfield Ohio
Elwell-Parker Electric Co 4250 St Claire Ave Cleveland 3 Ohio
Pettibone Mulliken Corp 4700 W Division St Chicago 51 Ill
Towmotor Corp 1226 E 152nd St Cleveland 10 Ohio

LIFT TRUCK PARTS

Forklift Parts Mfg Co 3312 E Olympic Blvd Los Angeles 23 Cal

LIFT TRUCKS, Straddle

Clark Equipment Industrial Trucks Div Lafayette & 24th Sts Battle Creek 85 Mich
Gerlinger Carrier Co Dallas Ore
Hyster Co 2902 N E Clackamus St Portland 8 Ore

LIFTS, Vehicle, Electric

Blackhawk Automotive Division Blackhawk Mfg Co 5325 W Rogers St Milwaukee 46 Wis
Joyce-Cridland Co 2027 E First St Dayton 3 Ohio
United States Air Compressor Co 5300 Harvard Ave Cleveland 5 Ohio
Walker Mfg Co of Wis 1201 Michigan Blvd Racine Wis

LIFTS, Vehicle, Hydraulic

AUTO SPECIALTIES MFG CO INC 643 Graves St St Joseph Mich
BARRETT EQUIPMENT CO 2101 Cass Ave St Louis 6 Mo
BEAR MFG CO 2016 Fifth Ave Rock Island Ill
Blackhawk Automotive Div Blackhawk Mfg Co 5325 W Rogers St Milwaukee 46 Wis
Curtis Mfg Co Pneumatic Div 1927 Kienlen Ave St Louis 33 Mo
Gilbert & Barker Mfg Co Cold Spring Ave West Springfield Mass
Globe Hoist Co E Mermaid Lane & Queen St Philadelphia 18 Pa
Joyce-Cridland Co 2027 E First St Dayton 3 Ohio
Rotary Lift Co 1054 Kansas St Memphis 2 Tenn
SAV-T-ENGINEERING CO 316 E Beach Ave Inglewood 3 Cal
Weaver Mfg Div Dura Corp 2177 E Ninth St Springfield Ill

LIGHT SWITCHES—See Switches
LIGHTS, TIMING—See Timing Lights
LINERS, CYLINDER—See Cylinder Liners
LINERS, TRAILER REFRIGERATED—See Trailer Liners
LININGS, BRAKE—See Brake Linings
LINKS, SHOCK ABSORBER—See Shock Absorber Links
LINKS, TIRE CHAIN REPAIR—See Tire Chain Repair Links
LOAD BINDERS—See Tie-Downs, Cargo
LOADERS, FRONT END (CONSTRUCTION & OFF-HIGHWAY)—See Front End Loaders
LOADERS, TAILGATE—See Tailgates, Elevating
LOCK NUTS—See Nuts, Self-Locking
LOCKS, BRAKE (HILL HOLDING)—See Brake Locks
LOCKS, IGNITION—See Switches, Ignition
LOOM, TUBING—See Tubing Loom
LP GAS—See Fuels
LP GAS FILTERS—See Fuel Filters
LUBRICANTS—See Oils & Lubricants
LUBRICANTS, TIRE—See Tire Lubricants
LUBRICATING GRAPHITE—See Graphite, Lubricating

LUBRICATORS, Automatic (Vehicle Mounted)

ALEMITE DIV Stewart-Warner Corp 1850 Diversey Pkwy Chicago 14 Ill
Automotive & Marine Products Corp 165 Chestnut Hill Ave Boston 35 Mass
Walker Mfg Co of Wis 1201 Michigan Blvd Racine Wis
Lincoln Engineering Co 4010 Goodfellow Blvd St Louis 20 Mo

LUBRICATING EQUIPMENT (Shop)

ALEMITE DIV Stewart-Warner Corp 1850 Diversey Pkwy Chicago 14 Ill
Aro Equipment Corp Bryan Ohio
Balcrank Inc Disney St (nr Marburg) Cincinnati 9 Ohio
BENNETT PUMP DIV John Wood Co Broadway & Wood Sts Muskegon Mich
Binks Mfg Co 3114-44 W Carroll Ave Chicago 12 Ill
De Vilbiss Co 300 Phillips Ave Toledo 1 Ohio
Gilbert & Barker Mfg Co Cold Spring Ave West Springfield Mass
GRAY CO INC 760 Graco Sq Minneapolis 13 Minn
Lincoln Engineering Co 4010 Goodfellow Blvd St Louis 20 Mo
LUBRICATION ENGINEERS INC 2807-11 Race St Fort Worth 11 Texas
United States Air Compressor Co 5300 Harvard Ave Cleveland 5 Ohio
UNIVERSAL LUBRICATING SYSTEMS INC 801 Allegheny Ave Oakmont Pa

LUBRICATORS, Upper Cylinder

ALEMITE DIV (KLEEN-TREAT) Stewart-Warner Corp 1850 Diversey Pkwy Chicago 14 Ill
Automotive & Marine Products Corp (Ampco) 165 Chestnut Hill Ave Boston 35 Mass

"American Brakeblok lining is safer, gives longer service!"

... reports Carl Konrad
Director of Maintenance
Snyder Brothers Motor Freight, Inc.
Akron, Ohio

"American Brakeblok lining is a real salesman!" says Carl Konrad, Director of Maintenance, Snyder Brothers Motor Freight, Inc., Akron, Ohio. "Its durability, long life, and elimination of brake fade are the main reasons why we have been American Brakeblok users since 1943.

"Our drivers are *completely* satisfied with American Brakeblok lining. When 'men of the highway' approve a lining we *know* it's the best! Furthermore, our service records show that American Brakeblok lining is one of our best investments."

American Brakeblok is the *quality* heavy-duty brake lining for trucks and trailers. Riveted, bonded, thick blocks. Your NAPA jobber has it ... wherever you are!

American Brakeblok®

P. O. BOX 21 • BIRMINGHAM, MICH.

AMERICAN BRAKEBLOK

LUBRICATORS, Upper Cylinder—cont'd

Hollingshead Corp R M 840 Cooper St Camden N J
Marvel Oil Co 331 N Main St Port Chester N Y
Oildex Corp 418 E 2nd St Tulsa Okla
Pennzoil Div South Penn Oil Co Drake Bldg P O Box 78 Oil City Pa
Pyroil Co 122 N Main St La Crosse Wis
UNIVERSAL LUBRICATING SYSTEMS INC 801 Allegheny Ave Oakmont Pa

MACHINES, BABBITTING—See Babbitting Machines
MACHINES, BEARING ALIGN BORERS—See Bearing Align Borers
MACHINES, BORING, PISTON PIN BUSHING—See Piston Pin Bushing Boring Machines
MACHINES, BRAKE RELINING—See Brake Riveting Machines
MACHINES, BRAKE TESTING—See Brake Testing Machines
MACHINES, CLUTCH REBUILDING—See Clutch Rebuilding Machines
MACHINES, CYLINDER BONDING—See Cylinder Bonding Machines
MACHINES, FRONT END & AXLE ALIGNING—See Aligning Equipment (Front End)
MACHINES, PISTON TURNING & GRINDING—See Piston Turning & Grinding Machines
MAGNAFLUX TESTERS—See Magnetic Inspection Equipment

MAGNESIUM ALLOYS

Brooks & Perkins Inc 1950 W Fort St Detroit 16 Mich
DOW CHEMICAL CO Midland Mich
Federated Metals Div American Smelting & Refining Co 120 Broadway New York 5 N Y
Vanadium Corp of America 420 Lexington Ave New York 17 N Y

MAGNETIC DRAIN PLUGS—See Drain Plugs, Magnetic

MAGNETIC INSPECTION EQUIPMENT

Circo Corp 51 Terminal Ave Clark N J
MAGNAFLUX CORP 7308 W Lawrence Ave Chicago 31 Ill
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
Sperry Products Co Div of Howe Sound Co 6200 Merriam Rd Merriam Kan
Turco Products Inc 24600 S Main St North Wilmington Cal

MAGNETOS

American Bosch Div American Bosch Arma Corp 3664 Main St Springfield 7 Mass
BOSCH CORP ROBERT 40-25 Crescent St Long Island City 1 N Y
DELCO-REMY DIV General Motors Corp Anderson Ind
Fairbanks Morse Co Lawton Ave Beloit Wis
Mallory Electric Corp 12416 Cloverdale Ave Detroit 14 Mich
Scintilla Div Bendix Corp Sidney N Y

MANIFOLDS, Intake & Exhaust

Almquist Engineering Co Milford Pa
CONTINENTAL MOTORS CORP 205 Market St Muskegon 82 Mich
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
POWER BRAKE EQUIPMENT CO 1632 S E 11th Ave Portland 14 Ore

MASKING TAPE

Behr-Manning Corp 6118 Howe Ave Troy N Y
Carborundum Co Buffalo Ave Niagara Falls N Y
Dutch Brand Div Johns-Manville Corp 7808 S Woodlawn Ave Chicago 19 Ill
Marson Corp 115 Mill St Revere 51 Mass
Minnesota Mining & Mfg Co 900 Bush Ave St Paul 6 Minn
Mystik Adhesive Products Inc 2635 N Kildare Ave Chicago 39 Ill
Permacel U S Hwy 1 New Brunswick N J
SHERWIN-WILLIAMS CO Automotive Refinish Div 101 Prospect Ave N W Cleveland 1 Ohio

MASTER CYLINDERS—See Brake Hydraulic Systems & Parts

METALLIZING EQUIPMENT

ALBERTSON & CO INC 2801 Floyd Blvd Sioux City 2 Iowa
Metallizing Engineering Co 1101 Prospect Ave Westbury N Y

METERS, BRAKE TESTING—See Brake Testing Machines

METERS, Engine Hour

Argo Instruments Corp 613 W 46th St New York 35 N Y
ENGLER INSTRUMENT CO 250 Culver Ave Jersey City 5 N J
Hobbs Corp John W Div Stewart-Warner Corp Yale Blvd & Ash St Springfield Ill

METERS, EXHAUST SMOKE—See Exhaust Smoke Meters

METERS, Oil Condition

Gerin Corp Avon N J

MICA UNDERCUTTERS—See Undercutters, Mica

MICROMETERS

Ampco Tools Inc 2100 Commonwealth Ave North Chicago Ill
BARRETT EQUIPMENT CO 2101 Cass Ave St Louis 6 Mo
Brown & Sharpe Mfg Co 235 Promenade St Providence R I
Central Tool Co 456 Wellington Ave Cranston 10 R I
Chicago Dial Indicator Co 180 N Wacker Dr Chicago 6 Ill
Lufkin Rule Co 1730 Hess Ave Saginaw Mich
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
Millers Falls Co 57 Wells St Greenfield Mass
National Acme Co 170 E 131st St Cleveland 8 Ohio
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Sparton Automotive Div Sparton Corp Jackson Mich
Standard Gage Co Poughkeepsie N Y
Starrett Co L S 1 Crescent St Athol Mass

MICROWAVE RADIO—See Radios, Two-Way
MILEAGE TESTERS—See Testers, Fuel Mileage

MIRRORS, Rear View

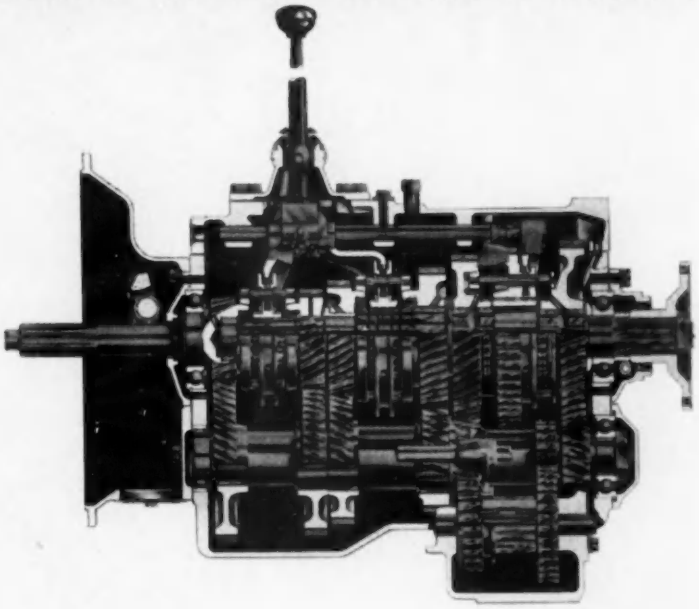
ANTHES DIV Gleason Corp 325 N Plankinton Ave Milwaukee Wis
ARROW SAFETY DEVICE CO INC Holman St Mount Holly N J
AUTO LAMP MFG CO 2909 S Indiana Ave Chicago 16 Ill
Bolser Corp 27th & Main Sts Cedar Falls Iowa
Casco Products Corp 512 Hancock Ave Bridgeport 2 Conn
Columbus Metal Products Inc P O Box 567 Columbus 16 Ohio
"Defrosto" Mirrors Inc 11298 S Alameda St Lynwood Cal
Delbar Products Inc 7th & Spruce Sts Perkasie Pa
DIETZ CO R E 225 Wilkinson St Syracuse 1 N Y
Do-Ray Lamp Co Inc 1458 S Michigan Ave Chicago 5 Ill
Griffin Lamp Co Shelby Miss
GROTE MFG CO State Rte #7 Madison Ind
GUIDE LAMP DIV General Motors Corp P O Box 1090 Anderson Ind
K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio
KING BEE MFG CO 2600 Washington Blvd Bellwood Ill
Miro-Flex Co 1824 E 2nd St Wichita 7 Kan
Perfection Automotive Products Corp 925 W Elizabeth St Detroit 1 Mich
Peterson Mfg Co 4515 E 75th Ter Kansas City 32 Mo
Re-Trac Mfg Corp 2013 Washington Ave N Minneapolis 11 Minn
Sparton Automotive Div Sparton Corp Jackson Mich
Speaker Corp J W 3059 N Weil St Milwaukee 12 Wis
Trippe Mfg Co 133 N Jefferson St Chicago 6 Ill
U S Metal Products Co Inc 1045 Atlantic Ave Brooklyn N Y
Unity Mfg Co 2909 Indiana Ave Chicago 16 Ill
Velvac Inc 3534 W Pierce St Milwaukee 15 Wis
YANKEE METAL PRODUCTS CORP 25 Grand St Norwalk Conn

MOLDS, TIRE RECAPPING & RETREADING—See Tire Recapping Equipment
MONORAIL CRANES—See Cranes, Monorail

SPICER "SPECS"

TEAR OUT FOR YOUR FILE

SPICER 6-SPEED TRANSMISSION Provides Smoother, Faster Shifts For Over-The-Road Trucks!



DIRECT DRIVE IN 6TH FOR HIGH-SPEED ENGINES

You can roll up more maintenance-free ton-miles with the Model 5662 Spicer 6-speed transmission in your over-the-highway trucks.

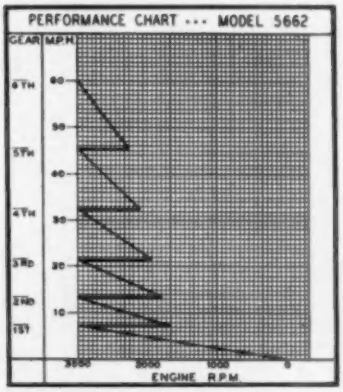
Operators currently using 5-speed boxes with supplemental gearing can, in many cases, eliminate the added weight associated with such gearing, by specifying the Model 5662 6-speed.

Closer Shift Steps The Spicer 6-speed has direct drive in sixth, a 8.23 to 1 low gear ratio, conventional shift pattern, and closer shift steps in top gears for more efficient highway performance. And the top five speeds are fully synchronized for faster, smoother, no-clash shifting.

GEAR RATIOS OF SPICER 5662 6-SPEED TRANSMISSION							
GEAR	Reverse	1st	2nd	3rd	4th	5th	6th
RATIOS	8.25	8.23	4.56	2.80	1.85	1.32	1.0

Normally rated at 375-400 lbs. ft. torque, the Model 5662 is an ideal transmission for vehicles in the 60,000 GCW range. It teams up effectively with Spicer's rugged 12" two-plate, spring-loaded clutch, as well as the 14" and 15½" multiple lever, single-plate clutches.

Its sturdy cast iron case has the standard SAE 6-bolt aperture on both sides for side-mounted PTO's. The case is also adaptable for conventional overhead or remote control shifting.



For full information on the Model 5662 Spicer 6-speed transmission, write for your copy of this special 4-page illustrated folder. Address your request to Dana Corporation, Toledo 1, Ohio.

Specify Spicer And next time you order new trucks or tractors, be sure to specify Spicer transmissions and clutches—for more economical, more efficient performance mile after mile after mile.

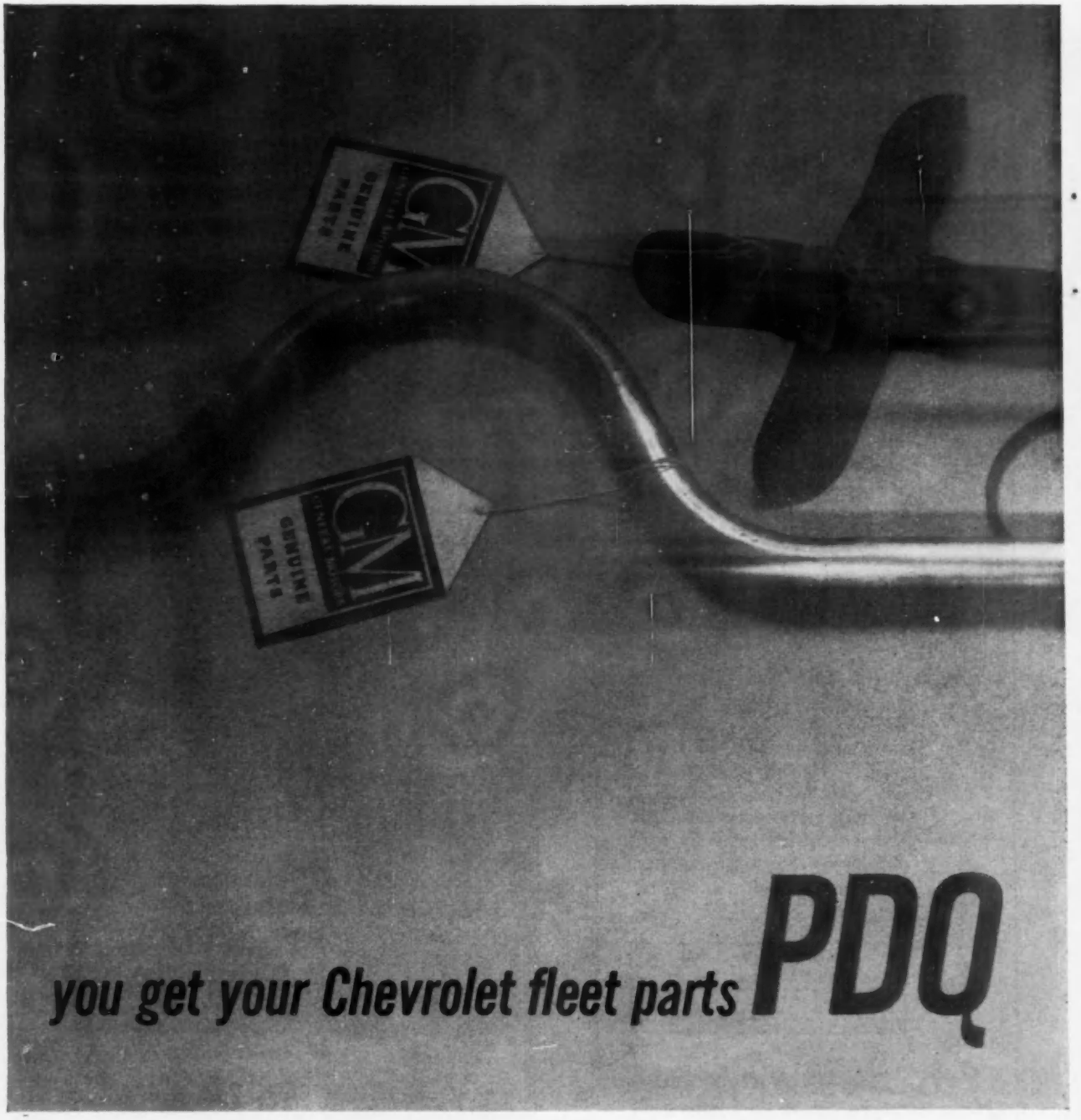
SPECIFY SPICER!

DANA Spicer

DANA CORPORATION

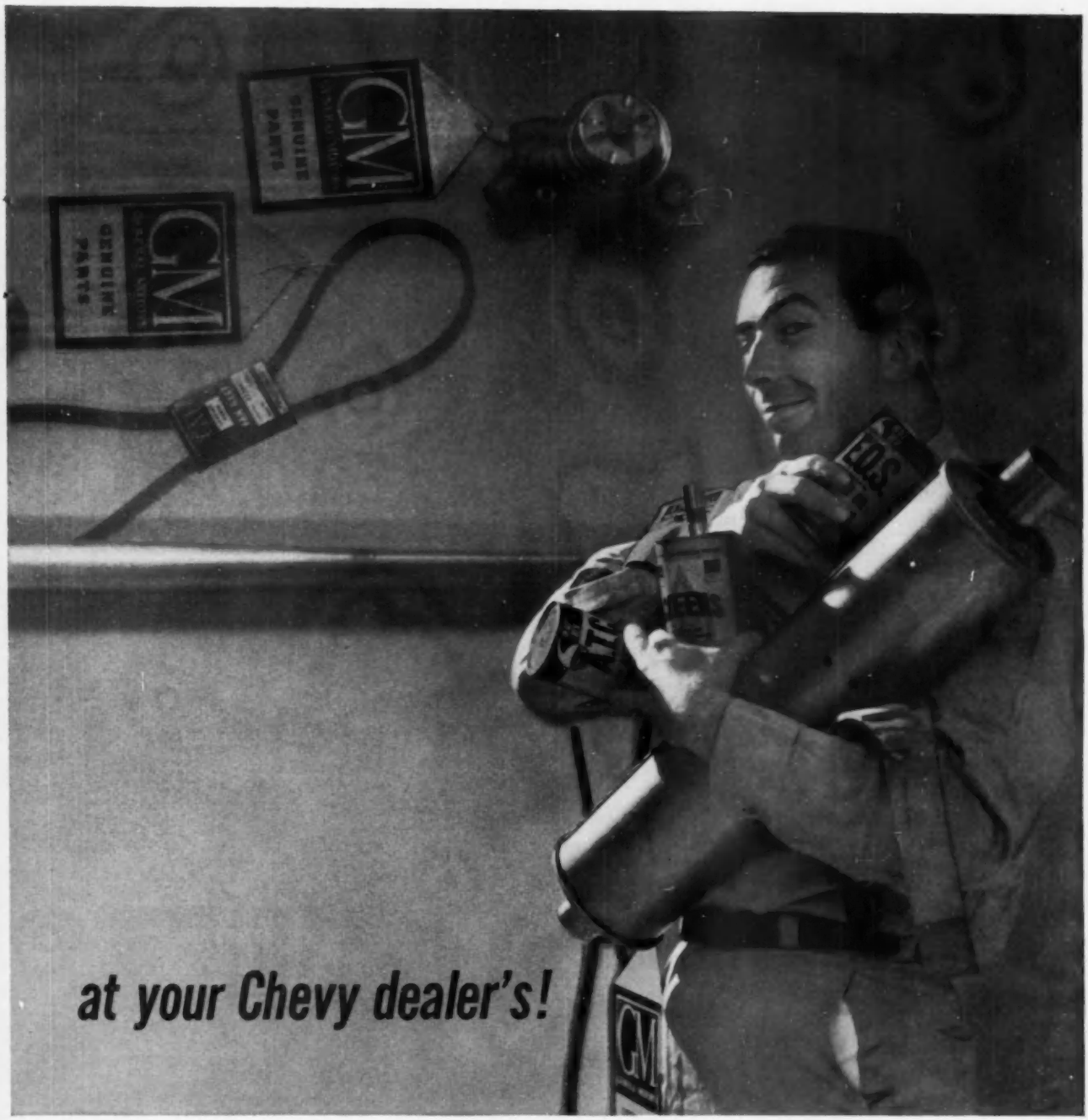
Toledo 1, Ohio

Reprints of this ad are available on request



You'll keep your Chevrolet fleet on its feet when you use genuine GM Chevrolet parts for faster, easier, reliable repairs!

Keep your Chevy fleet the Chevy-est



PARTS DELIVERED QUICK—isn't that what you want for your fleet? Well then, get the PDQ service that goes along with parts orders filled for you by your Chevrolet dealer. No strain—he's got the inventory and the know-how. Besides stocking a wide range of genuine Chevrolet car and truck parts, Chevrolet dealers are backed by teletype-quick service from any one of 41 strategically located warehouses. It's good business to know what you're getting—and *when*. And with your Chevrolet dealer's PDQ service you know you get the finest parts promptly. Make him *your* fleet partner in service. A phone call to him will set you up PDQ, so buzz him today. . . . Chevrolet Division of General Motors, Detroit 2, Michigan.

GM
CHEVROLET
GENUINE PARTS

MOUNTINGS, Insulated Rubber

Anchor Rubber Products Div Anchor Industries Inc 1725 London Rd Cleveland 12 Ohio
Champ-Items Inc 6191 Maple Ave St Louis 3 Mo
Continental Rubber Works 1937 Liberty Ave Erie Pa
FIRESTONE TIRE & RUBBER CO 1200 Firestone Pkwy Akron 17 Ohio
General Tire & Rubber Co Industrial Products Div Wabash Ind
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio
Inland Mfg Div General Motors Corp 2727 Inland Ave Dayton 1 Ohio
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis
Raybestos-Manhattan Inc Equipment Sales Div P O Box 1021 Bridgeport Conn
Transit Parts Co 35700 Vine St Willoughby Ohio
UNITED STATES RUBBER CO Rockefeller Center 1230 Ave of the Americas New York 20 N Y
WOHLERT CORP 708 E Grand River Ave Lansing 5 Mich

MUD FLAPS—See Splash Guards

MUFFLERS, Exhaust

A P Parts Corp 1801 Spielbusch Ave Toledo 1 Ohio
ALEXANDER TAGG INDUSTRIES INC Jacksonville Rd & Summit Ave Hatboro Pa
Arvin Industries Inc 13th St & Big Four R R Columbus Ind
Donaldson Co Inc 666 Pelham Blvd St Paul 14 Minn
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
McCord Corp Riopelle at E Grand Blvd Detroit 11 Mich
Maremount Muffler Div Maremount Corp 168 N Michigan Chicago 1 Ill
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Oxy-Catalyst Inc Berwyn Pa
Powell Muffler Co 4235 W 42nd Pl Chicago 32 Ill
Pratt Muffler Div Mar Pro Inc 168 N Michigan Ave Chicago Ill
RIKER MFG INC 4901 Stickney Ave Toledo 12 Ohio
STEMCO MFG CO P O Box 1628 Longview Texas
Tech Industries 679 Oakland Park Columbus Ohio
Walker Mfg Co of Wis 1201 Michigan Blvd Racine Wis

MUFFLER GUARDS

ALEXANDER-TAGG INDUSTRIES INC Jacksonville Rd & Summit Ave Hatboro Pa
Industrial Steel Tank & Body Works 2533 Fourth St Berkeley 10 Cal
RIKER MFG INC 4901 Stickney Ave Toledo 12 Ohio
Walker Mfg Co of Wis 1201 Michigan Blvd Racine Wis

MUFFLER TOOLS

AP Parts Corp 1801 Spielbusch Ave Toledo 1 Ohio
ALBERTSON & CO INC (Sioux Tools) 3100 Lowell Ave Sioux City Iowa
CHICAGO PNEUMATIC CO 8 E 44th St New York 17 N Y
INGERSOLL-RAND CORP 11 Broadway New York 4 N Y
K-D MFG CO 526 N Plum St Lancaster Pa
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
OWATONNA TOOL CO 341 N Cedar St Owatonna Mich
RIKER MFG CO 4901 Stickney Ave Toledo 12 Ohio

NOZZLES, Air

Aro Equipment Corp Bryan Ohio
Balcrank Inc Disney St (near Marburg) Cincinnati 9 Ohio
Binks Mfg Co 3114-44 W Carroll Ave Chicago 12 Ill
Bridgeport Brass Co 30 Grand St Bridgeport 2 Conn
Champion Pneumatic Machinery Co 825 N Pleasant St Princeton Ill
De Vilbiss Co 300 Phillips Ave Toledo 1 Ohio
HANSEN MFG CO A L 5037 Ravenswood Ave Chicago 40 Ill
Imperial Brass Mfg Co 6300 W Howard St Chicago 48 Ill
Lincoln Engineering Co 4010 Goodfellow Blvd St Louis 20 Mo
SCHRADER'S SON A Div Scovill Mfg Co 470 Vanderbilt Ave Brooklyn 38 N Y
Thor Power Tool Co 175 N State St Aurora Ill
UNIVERSAL LUBRICATING SYSTEMS INC 801 Allegheny Ave Oakmont Pa
WEATHERHEAD CORP 300 E 131st St Cleveland 8 Ohio

NUTS, Self-Locking

Accurate Products Inc 135 N Spring St Indianapolis Ind
Carr Fastener Co 31 Ames St Cambridge 42 Mass
Champ-Items Inc 6191 Maple Ave St Louis 30 Mo
Chase Brass & Copper Co 236 Grand St Waterbury 20 Conn

REMEMBER: Vehicle makers offer parts and components for their own vehicles. Generally it is not possible to list them under all the product headings involved. Also many makers have a line of reconditioned (by qualified local rebuilders) parts and components, and some supply parts and components for other makers' vehicles. Vehicle makers who have a separately named division for handling parts and components are listed under the heading "Replacement Parts". Otherwise the address is as shown under the appropriate vehicle heading. For example, "Trucks" or "Trailers".

DORMAN PRODUCTS INC 5757 Mariemont Ave Cincinnati 27 Ohio
Eaton Mfg Co Reliance Div 25 Charles Ave S E Massillon Ohio
Elastic Stop Nut Corp of America 2330 Vauzhall Rd Union N J
Imperial Brass Mfg Co 6300 W Howard St Chicago 48 Ill
LAMSON & SESSIONS CO 5000 Tiedeman Rd Cleveland 9 Ohio
National Screw & Mfg Co Lisbon Ohio
Nylok Corp 611 Industrial Ave Paramus N J
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio
SKF INDUSTRIES INC Front St & Erie Ave Philadelphia 32 Pa
Shakeproof Div Illinois Tool Works St Charles Rd Elgin Ill
SOUTH CHESTER CORP Southco Div 228 Industrial Hwy Lester Pa
Standard Pressed Steel Co P O Box 395 Jenkintown Pa
Townsend Co Box 71-E Ellwood City Pa
Transit Parts Co 35700 Vine St Willoughby Ohio

ODOMETERS

Barbour Stockwell Instruments 80 Cambridge St Worcester Mass
KING-SEELEY THERMOS CO 315 S First St Ann Arbor Mich
STEWART-WARNER CORP Instrument Div 1840 Diversey Pkwy Chicago 14 Ill
United States Taximeter Co 514 W 54th St New York 19 N Y
Veeder-Root Inc 20 Sargeant St Hartford 2 Conn

OFFICE MACHINES

(Advertiser Only)

MARCHANT DIV Smith - Corona - Marchant Inc Oakland 8 Cal

OILS

OILS & LUBRICANTS

Amalie Div Sonneborn Chemical & Refining Corp Franklin Pa
American Grease Stick Co 2651 Hoyt St Muskegon Mich
AMERICAN OIL CO 910 S Michigan Ave Chicago 80 Ill
Ashland Oil & Refining Co Commercial Fleet Sales Div 1402 Federal Reserve Bank Bldg Cincinnati 2 Ohio
Atlantic Refining Co 260 S Broad St Philadelphia Pa
Bardahl International Corp 1400 W 52nd St Seattle 7 Wash
CALIFORNIA OIL CO Perth Amboy N J
Castoleum Corp The 145 Alexander St Yonkers N Y
Cities Service Oil Co 1270 Ave of the Americas New York 20 N Y
Climax Molybdenum Co 1270 Ave of the Americas New York 20 N Y
Continental Oil Co Texas National Bank Bldg 1300 Main St P O Box 2197 Houston Tex
CORROSION REACTION CONSULTANTS 116-5A Chestnut St Philadelphia 6 Pa
DOW CHEMICAL CO Midland Mich

D-X Sunray Oil Co 907 S Detroit Ave Tulsa 2 Okla
ELCO LUBRICANT CORP THE Jenning Rd & Dennison Ave Cleveland 9 Ohio
Esso Standard Div Humble Refining Co 15 W 51st St New York 19 N Y
GULF OIL CORP P O Box 2140 Houston 2 Texas
Hollingshead Corp R M 840 Cooper St Camden 2 N J
Houghton & Co E F 303 W Lehigh Ave Philadelphia 33 Pa
IMPERIAL OIL & GREASE CO 6505 Wilshire Blvd Los Angeles 48 Cal
KENDALL REFINING CO 77 N Kendall St Bradford Pa
Lehigh Chemical Co 10 Flatland Rd Chestertown Md
Lion Oil Co El Dorado Ark
LUBRICATION ENGINEERS INC 2807-11 Race St Fort Worth 11 Tex
LUBRIPLATE DIV Fiske Bros Refining Co 129 Lockwood St Newark 5 N J
MacMillan Petroleum Corp 530 W 6th St Los Angeles 13 Cal
Marson Corp 115 Mill St Revere 51 Mass
Marvel Oil Co 331 N Main St Port Chester N Y
Micro-Lube Sales 8505 Directors Row Dallas 7 Tex
Mid-Continent Petroleum Corp Tulsa 2 Okla
Miracle Power Products Corp 1101 Beltline St Cleveland 9 Ohio
MOBIL OIL CO 150 E 42nd St New York 17 N Y
Moly Motor Products Corp 314 Scholes St Brooklyn 6 N Y
Ohio Oil Co Findlay Ohio
Pennsylvania Refining Co 2686 Lisbon Rd Cleveland 4 Ohio
Pennzoil Co South Penn Oil Co Drake Theatre Bldg Oil City Pa
Permatex Co 300 Broadway Huntington Station New York N Y
Phillips Petroleum Co Bartlesville Okla
PURE OIL CO 200 E Gulf Rd Palatine Ill
Quaker State Oil Refining Co 2686 Lisbon Rd Cleveland 4 Ohio
SHELL OIL CO 50 W 50th St New York 20 N Y
Sinclair Refining Co 600 Fifth Ave New York N Y
SPRAY PRODUCTS CORP P O Box 1988 Camden 1 N J
STANDARD OIL CO OF CAL 225 Bush St San Francisco 20 Cal
STANDARD OIL OF TEXAS El Paso Tex
Sun Oil Co 1608 Walnut St Philadelphia 3 Pa
TEXACO INC 135 E 42nd St New York 17 N Y
Tide Water Associated Oil Co 17 Battery Pl New York N Y
Union Oil Co of Cal Union Oil Bldg Los Angeles 7 Cal
Valvoline Oil Co Div Ashland Oil & Refining Co Third Ave & Sixth St Freedom Pa
Warren Refining & Chemical Co Cleveland 15 Ohio
Waverly Petroleum Products Co 3018 Market St Philadelphia 4 Pa
Wolf's Head Oil Refining Co Oil City Pa

OIL ADDITIVES—See Additives, Fuel & Oil

OIL ANALYSIS KITS

Gerin Corp Avon N J
Lengor Inc P O Box 126 Annapolis Md
MOBIL OIL CO 150 E 42nd St New York 17 N Y
SHELL OIL CO 50 W 50th St New York 20 N Y

OIL COOLERS

G & O Mfg Co 138 Winchester Ave New Haven 8 Conn
HARRISON RADIATOR DIV General Motors Corp Washburn & Walnut Sts Lockport N Y
Young Radiator Co 709 S Marquette St Racine Wis

OIL FILLER CAPS

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
Accurate Products Inc 135 N Spring St Indianapolis Ind
Dole Valve Co 6201 Oakton St Morton Grove Ill
DORMAN PRODUCTS INC 5757 Mariemont Ave Cincinnati 27 Ohio
Eaton Mfg Co Stamping Div 17877 St Claire Ave Cleveland 10 Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
STANT MFG CO INC 1620 Columbia St Connersville Ind
WOHLERT CORP 708 E Grand River Ave Lansing 5 Mich

OIL FILTERS & CARTRIDGES

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
Air-Maze Div Rockwell-Standard Corp 25000 Miles Rd Cleveland 28 Ohio
BALDWIN MFG CO J A Air Base Kearney Nebr
Bendix-Skinner Div Bendix Corp 434 W 12 Mile Rd Royal Oak Mich
Bolser Corp 27th & Main Sts Cedar Falls Iowa
Bowes "Seal Fast" Corp 5902 E 34th St Indianapolis 18 Ind
Briggs Filtration Co Automotive Div River Road Washington 16 D C
Cuno Engrg Corp 80 S Vine St Meriden Conn
DeLuxe Products Corp 1201 Michigan Blvd Racine Wis
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
FRAM CORP Pawtucket Ave Providence 16 R I
G N FILTERS First Nat'l Bank Bldg St Paul 1 Minn
HASTINGS MFG CO N Hanover St Hastings Mich
Hilliard Corp Purifier Div 113 W 4th St Elmira N Y
Krogman Filter Co Inc 72-74 Oceanport Ave West Long Branch N J
Lee Filter Corp 191 Talmadge Rd Edison N J
LUBER-FINER INC 2514 S Grand Ave Los Angeles 7 Cal
MOBIL OIL CO 150 E 42nd St New York 17 N Y
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Purolator Products Inc 970 New Brunswick Ave Rahway N J
Refill Filter Co 541 15th Ave Newark 3 N J
SUPERIOR ARROWHEAD First Nat'l Bank Bldg St Paul 1 Minn
W G B Oil Clarifier Inc 139 Cornell St Kingston N Y
Walker Mfg Co of Wis 1201 Michigan Blvd Racine Wis
Winslow Engrg & Mfg Co 4069 Hollis St Oakland 8 Cal
WIX CORP 1301 E Ozark Ave Gastonia N C

OIL LEAK DETECTORS—See Bearing Wear Detectors

OIL LEVEL GAGES

ELECTRIC AUTOLITE CO THE (PRESTOLITE) Toledo 1 Ohio
Rochester Mfg Co 100 Rockwood St Rochester 10 N Y
STEWART-WARNER CORP Instrument Div 1830 Diversey Pkwy Chicago 14 Ill

OIL LINES, Flexible

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
Chase Brass & Copper Co 236 Grand St Waterbury 20 Conn
DORMAN PRODUCTS INC 5757 Mariemont Ave Cincinnati 27 Ohio
Edelmann & Co E 2332 Logan Blvd Chicago 47 Ill
Everhot Products Co 2001 W Carroll Ave Chicago 12 Ill
FRAM CORP Pawtucket Ave Providence 16 R I
Imperial Brass Mfg Co 6300 W Howard St Chicago 48 Ill
W G B Oil Clarifier Inc 139 Cornell St Kingston N Y
Walker Mfg Co of Wis 1201 Michigan Blvd Racine Wis
WEATHERHEAD CO 300 E 131st St Cleveland 8 Ohio
WIX CORP 1301 E Ozark Ave Gastonia N C
WOHLERT CORP 708 E Grand River Ave Lansing 5 Mich

OIL PRESSURE GAGES

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
Accurate Products Inc 135 N Spring St Indianapolis Ind
ELECTRIC AUTOLITE CO THE (PRESTOLITE) Toledo 1 Ohio
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
KING-SEELEY THERMOS CO 315 S First St Ann Arbor Mich
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
STEWART-WARNER CORP Instrument Div 1840 Diversey Pkwy Chicago 14 Ill

OIL PRESSURE GAGES—continued

Sun Electric Corp Harlem & Avondale Chicago 31 Ill

WEATHERHEAD CO 300 E 131st St Cleveland 8 Ohio

WOHLERT CORP 708 E Grand River Ave Lansing 5 Mich

OIL SEALS

(See also Hub Oil Seals)

Atlas Asbestos Co 469 Walnut St North Wales Pa

CHICAGO RAWHIDE MFG CO 1301 Elston Ave Chicago 22 Ill

FITZGERALD MFG CO 691 Main St Torrington Conn

Houghton & Co E F 303 W Lehigh Ave Philadelphia 33 Pa

Imperial Brass Mfg Co 6300 W Howard St Chicago 48 Ill

JOHNS-MANVILLE CORP 22 E 40th St New York 16 N Y

McCord Corp Riopelle at E Grand Blvd Detroit 11 Mich

MECHANEX CORP 3773 S Jason St Englewood Colo

MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich

Muskegon Piston Ring Co 1839 Sixth St Muskegon Mich

NATIONAL SEAL DIV Federal-Mogul-Bower Bearings Inc 11031 Shoemaker Ave Detroit 13 Mich

RAMSEY CORP 3693 Forest Park Blvd St Louis 8 Mo

STEMCO MFG CO P O Box 1628 Longview Tex

Transit Parts Co 35700 Vine St Willoughby Ohio

TROSTEL PACKINGS LTD ALBERT Lake Geneva Wis

UNITED STATES RUBBER CO Rockefeller Center 1230 Ave of the Americas New York 20 N Y

VICTOR MFG & GASKET CO 5750 W Roosevelt Rd Chicago 50 Ill

OIL SOLVENTS—See Cleaning Compounds & Solvents

OSCILLOSCOPES

BEAR MFG CO 2016 Fifth Ave Rock Island Ill

DuMont Laboratories Inc Allen B 750 Bloomfield Ave Clifton N J

Heyer Industries Inc 500 Cortland St Belleville 9 N J

SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis

Sun Electric Corp Harlem & Avondale Chicago 31 Ill

WEIDENHOFF CORP Highway #18 Algona Iowa

OVERHEAD DOORS—See Doors
PACKERS, BEARING—See Bearing Packers

PAINTS

PAINTS, Acid- and Alkali-Resisting

Acme Quality Paints Inc 8250 St Aubin Ave Detroit 11 Mich

DITZLER COLOR DIV Pittsburgh Plate Glass Co 8000 W Chicago Ave Detroit 4 Mich

DU PONT DE NEMOURS & CO E I Finishes Div Chemical Specialties Sales Wilmington 98 Del

Gates Engineering Co 100 S West St Wilmington 99 Del

Glidden Co 900 Union Commerce Bldg Cleveland 14 Ohio

MAGNUS CHEMICAL CO INC 39 South Ave Garwood N J

SHERWIN-WILLIAMS CO Automotive Refinish Div 101 Prospect Ave N W Cleveland 1 Ohio

PAINTS, Enamel & Lacquer

Acme Quality Paints Inc 8250 St Aubin Ave Detroit 11 Mich

Arco Co The Div of American-Marietta 7301 Bessemer Ave Cleveland 27 Ohio

DITZLER COLOR DIV Pittsburgh Plate Glass Co 8000 W Chicago Ave Detroit 4 Mich

DU PONT DE NEMOURS & CO E I Finishes Div Chemical Specialties Sales Wilmington 98 Del

Glidden Co 900 Union Commerce Bldg Cleveland 14 Ohio

MARTIN SENOUR CO 2500 Senour Ave Chicago 8 Ill

SHERWIN-WILLIAMS CO Automotive Refinish Div 101 Prospect Ave N W Cleveland 1 Ohio

PAINTS, Special Type

Acme Quality Paints Inc 8250 St Aubin Ave Detroit 11 Mich

ALUMINUM CO OF AMERICA 1501 Alcoa Bldg Pittsburgh 19 Pa

ALUMINUM INDUSTRIES INC 3670 Werk Rd Cincinnati 11 Ohio

Arco Co The Div of American-Marietta 7301 Bessemer Ave Cleveland 27 Ohio

DITZLER COLOR DIV Pittsburgh Plate Glass Co 8000 W Chicago Ave Detroit 4 Mich

DU PONT DE NEMOURS & CO E I Finishes Div Chemical Specialties Sales Wilmington 98 Del

Forbes Finishes Div Pittsburgh Plate Glass Co 2800 W 148th St Cleveland 11 Ohio

Frost Paint & Oil Corp 1209 Tyler St N E Minneapolis 13 Minn

Gates Engineering Co 100 S West St Wilmington 99 Del

Glidden Co 900 Union Commerce Bldg Cleveland 14 Ohio

Hock Paints Inc Box 190 Phoenixville Pa

Krylon Inc Ford & Washington Sts Norristown Pa

Lawter Chemicals Inc 3550 Toughy Ave Chicago 45 Ill

Magna Bond Inc Union Ave Bala Cynwyd Pa

MAGNUS CHEMICAL CO INC 38 South Ave Garwood N J

MARTIN-SENOUR CO 2500 Senour Ave Chicago 8 Ill

Miracle Power Products 1101 Beltline St Cleveland 9 Ohio

Oil-Dri Corp of America 520 N Michigan Ave Chicago 11 Ill

Reynolds Metals Co P O Box 2316 Richmond 19 Va

SHERWIN-WILLIAMS CO Automotive Refinish Div 101 Prospect Ave N W Cleveland 1 Ohio

PAINT HEATERS, HOT SPRAY—See Heaters, Paint Hot Spray
PAINT MASKING—See Masking Tape

PAINT REMOVERS

Acme Quality Paints Inc 8250 St Aubin Ave Detroit 11 Mich

Arco Co The Div of American-Marietta 7301 Bessemer Ave Cleveland 27 Ohio

Brulin & Co 2939-45 Columbia Ave Indianapolis 7 Ind

Cee-Bee Chemical Co 9520 E Ceebee Dr Downey Calif

DITZLER COLOR DIV Pittsburgh Plate Glass Co 8000 W Chicago Ave Detroit 4 Mich

DU PONT DE NEMOURS & CO E I Finishes Div Refinish Sales Wilmington 98 Del

Ensign Products Co 3528 E 76th St Cleveland 5 Ohio

Houghton & Co E F 303 W Lehigh Ave Philadelphia 33 Pa

Kelite Products Inc 1250 N Main St Los Angeles 12 Calif

MAGNUS CHEMICAL CO INC 38 South Ave Garwood N J

Malsbary Mfg Co 845 92nd Ave Oakland 3 Calif

Nason Products Div Fuller & Co W P 450 E Grand Ave San Francisco Calif

OAKITE PRODUCTS INC 52G Rector St New York 6 N Y

SHERWIN-WILLIAMS CO Automotive Refinish Div 101 Prospect Ave N W Cleveland 1 Ohio

Turco Products Inc 24600 S Main St North Wilmington Calif

PAINT SPRAY BOOTHS

Binks Mfg Co 3132B Carroll Ave Chicago 12 Ill

De Vilbiss Co 300 Phillips Ave Toledo 1 Ohio

Inland Mfg Div General Motors Corp 2727 Inland Ave Dayton 1 Ohio

MAHON CORP R C 6565 E Eight Mile Rd at Sherwood Detroit 34 Mich

Marson Corp 115 Mill St Revere 51 Mass

PAINT SPRAYERS

ALEMITE DIV Stewart-Warner Corp 1850 Diversey Pkwy Chicago 14 Ill

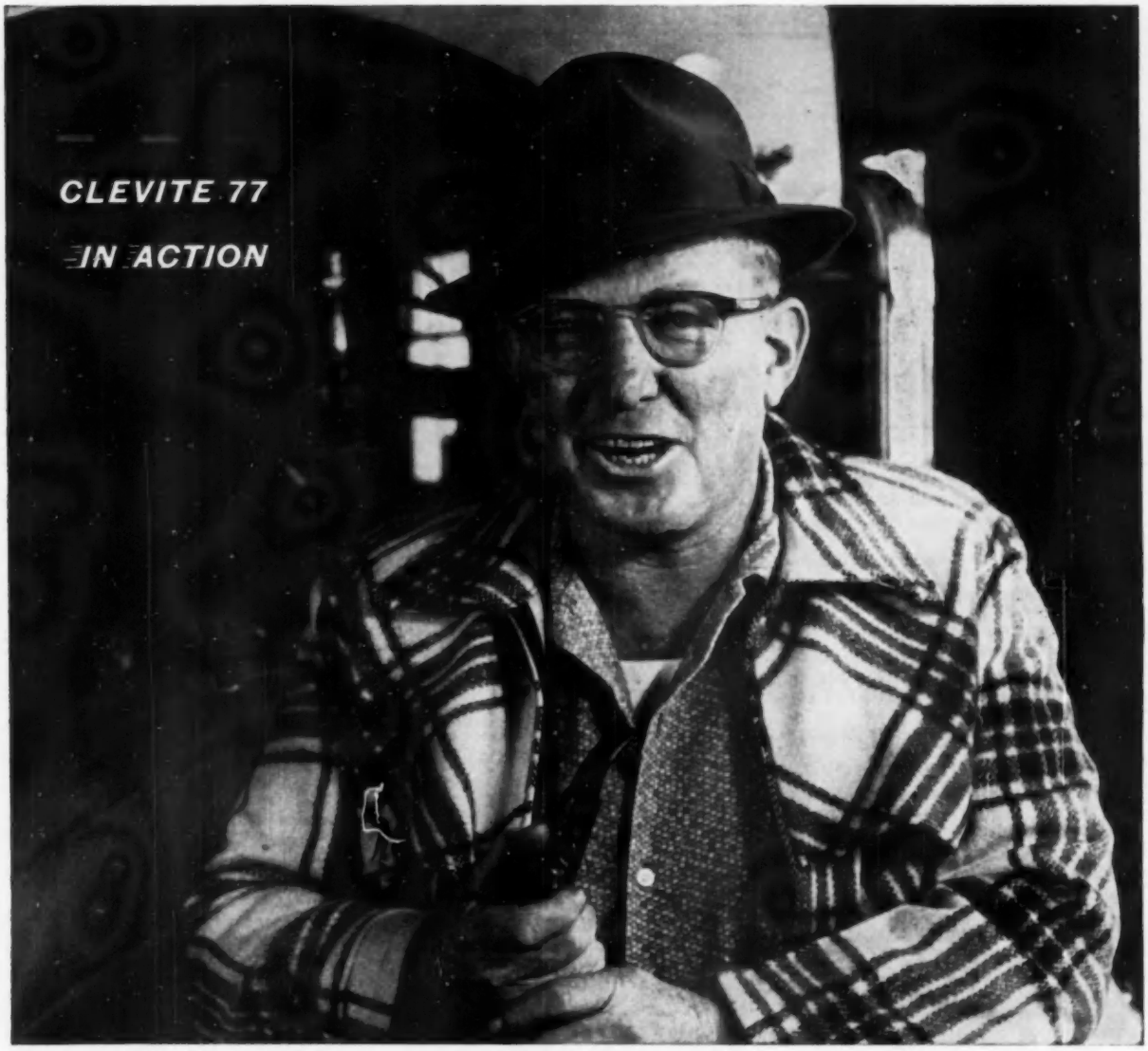
Binks Mfg Co 3132B Carroll Ave Chicago 12 Ill

Campbell-Hausfeld Co 211 Railroad Ave Harrison Ohio

De Vilbiss Co 300 Phillips Ave Toledo 1 Ohio

GRAY CO INC 760 Graco Sq Minneapolis 13 Minn

Kelite Products Inc 1250 N Main St Los Angeles 12 Calif



"Clevite 77 Bearings just won't quit . . .

. . . even after 300,000 miles. When I rebuild an engine, I could often put the same bearings right back in. And I'm talking about heavy-duty equipment that runs up to 18,000 miles a month. With 445 rigs we need the rugged quality of Clevite 77 to help keep our equipment in top running condition."

says Art Miekel, Shop Foreman
Texas-Arizona Motor Freight, Inc.
El Paso, Texas

Most shop foremen, like Art Miekel, know that Clevite 77 Bearings have the built-in quality to perform at a profit. Their patented tri-metal construction gives longer, trouble-free performance. For your next engine overhaul, get Clevite 77 from your NAPA jobber—he can give you complete service.

NAPA
National Automotive Parts Association
Assurance of Quality

MONMOUTH *Engine Bearings*

CLEVITE SERVICE: Cleveland Graphite Bronze • *Division of Clevite Corporation* • Cleveland 3, Ohio

More details? Circle 171 on reply card inside back cover

PAINT SPRAYERS—continued

Lincoln Engineering Co 4010 Goodfellow Blvd St Louis 20 Mo
Spee-Flo Co 6614 Harrisburg St Houston 11 Tex
Spray Engineering Co 100 Cambridge St Burlington Mass
Wilson Inc K R Arcade N Y

PARKING BRAKES—See Brakes, Parking
PARKING LAMPS—See Lamps
PARTS—See type of Parts desired, or, Replacement Parts
PASSENGER CARS, RENTAL—See Leasing Company (Nationwide)

PASSENGER CARS

AMERICAN MOTORS CORP (Rambler) Automotive Div Detroit 32 Mich
Buick Motor Div General Motors Corp Flint 2 Mich
Cadillac Div General Motors Corp 2860 Clark Ave Detroit 32 Mich
Checker Motors Corp 2016 N Pitcher St Kalamazoo Mich
CHEVROLET DIV General Motors Corp General Motors Bldg Detroit 2 Mich
DODGE CAR & TRUCK DIV Chrysler Corp 7900 Joseph Campau Ave Detroit 31 Mich
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Lincoln-Mercury Div Ford Motor Co 3000 Schaefer Rd Dearborn Mich
OLDSMOBILE DIV General Motors Corp Townsend St Lansing 21 Mich
PLYMOUTH-VALIANT DIV Chrysler Corp 6334 Lynch Rd Detroit 31 Mich
Pontiac Motor Div General Motors Corp Pontiac Mich
STUDEBAKER-PACKARD CORP 635 S Main St South Bend 27 Ind

PEDAL DEPRESSORS, BRAKE—See Brake Pedal Depressors
PHOTOCOPIERS—See Office Machines
PINS, PISTON—See Piston Pins
PINTLE HOOKS—See Tow Bars & Hooks
PIPES, EXHAUST—See Exhaust & Tail Pipes

PISTONS

PISTONS

Al-Fin Div Fairchild Engine & Airplane Corp 375 Farmingdale Rd West Babylon Long Island N Y
ALLIED AUTOMOTIVE PARTS CO 1450 E 19th St Indianapolis 7 Ind
ALUMINUM INDUSTRIES INC 3670 Werk Rd Cincinnati 11 Ohio
AMERICAN HAMMERED AUTOMOTIVE REPLACEMENT DIV Sealed Power Corp 2001 Sanford St Muskegon Mich
CONTINENTAL MOTORS CORP 205 Market St Muskegon 82 Mich
Elgin Machine Works Inc 412 N State St Elgin Ill
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
G N ENGINE PARTS DIV First Nat'l Bank Bldg St Paul 1 Minn
McQUAY NORRIS MFG CO 2320 Marconi Ave St Louis Mo
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Ohio Piston & Machinery Co 11780 Superior Ave N E Cleveland 6 Ohio
SEALED POWER CORP 2001 Sanford St Muskegon Heights Mich
THOMPSON PRODUCTS REPLACEMENT DIV Thompson-Ramo-Wooldridge Inc 6402 Cedar Ave Cleveland 3 Ohio
Triplex Corp of America Div of Aluminum Industries Inc P O Box 666 Pueblo Colo
UNITED ENGINE & MACHINE CO 310 Predo St San Leandro Calif
ZOLLNER CORP Bueter Rd Ft Wayne Ind

PISTON PIN BUSHING HONES—See Hones, Small Bore

PISTON REGROOVERS

Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
Lisle Corp 809 E Main St Clarinda Iowa
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
PERFECT CIRCLE CORP 552 S Washington St Hagerstown Ind
SEALED POWER CORP 2001 Sanford St Muskegon Mich
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis

PISTON RESIZERS

G N ENGINE PARTS DIV First Nat'l Bank Bldg St Paul 1 Minn
Lisle Corp 809 E Main St Clarinda Iowa
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
MOOG INDUSTRIES INC 6565 Wells Ave St Louis 33 Mo
PERFECT CIRCLE CORP 552 S Washington St Hagerstown Ind
RAMSEY CORP 3693 Forest Park Blvd St Louis 8 Mo

PISTON SKIRT EXPANDERS

McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
PERFECT CIRCLE CORP 552 S Washington St Hagerstown Ind
HASTINGS MFG CO N Hanover St Hastings Mich

PISTON RING GROOVE CLEANING TOOLS

Duro Metal Products Co 2649 N Kildare Ave Chicago 39 Ill
G N ENGINE PARTS DIV First Nat'l Bank Bldg St Paul 1 Minn
HASTINGS MFG CO N Hanover St Hastings Mich
HERBRAND DIV Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
Lisle Corp 809 E Main St Clarinda Iowa
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
New Britain Machine Co Hand Tools Div South St New Britain Conn
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
PROTO TOOLS CO Div Pendleton Tool Industries Inc 2209 Santa Fe Ave Los Angeles 54 Calif
Rinck-McIlwaine Inc 16 Hudson St New York 13 N Y
SEALED POWER CORP 2001 Sanford St Muskegon Mich
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis

PISTON TURNING & GRINDING MACHINES

Cedar Rapids Engineering Co 902 17th St N E Cedar Rapids 1 Iowa
Landis Tool Co 6th & Ringold Sts Waynesboro Pa
Norton Co 1 New Bond St Worcester 6 Mass
Storm-Vulcan Inc 2225 Burbank St Dallas 35 Tex

PISTON VISES

HASTINGS MFG CO N Hanover St Hastings Mich
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Stevens-Walden Inc 475 Shrewsbury St Worcester Mass

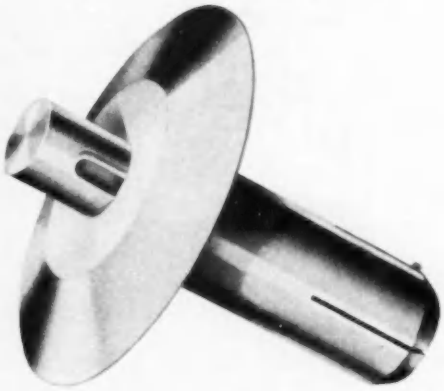
PISTON PINS

ALLIED AUTOMOTIVE PARTS CO 1450 E 19th St Indianapolis 7 Ind
ALUMINUM INDUSTRIES INC 3670 Werk Rd Cincinnati 11 Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
G N ENGINE PARTS DIV First Nat'l Bank Bldg St Paul 1 Minn
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
MARQUETTE DIV Curtiss-Wright Corp 1145 Galewood Dr Cleveland 10 Ohio
Monmouth Products Co 6545 Carnegie Ave Cleveland 3 Ohio
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
SEALED POWER CORP 2001 Sanford St Muskegon Heights Mich
THOMPSON PRODUCTS REPLACEMENT DIV Thompson-Ramo-Wooldridge Inc 6402 Cedar Ave Cleveland 3 Ohio

PISTON PIN VISES

Ammco Tools Inc 2100 Commonwealth Ave North Chicago Ill
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Sunnen Products Co 7910 Manchester Ave St Louis 17 Mo
THOMPSON PRODUCTS REPLACEMENT DIV Thompson-Ramo-Wooldridge Inc 6402 Cedar Ave Cleveland 3 Ohio

"Suddenly... everybody is changing over to the new 3G LINER DRIVE RIVET"*



For speed and economy in truck and trailer lining, there's nothing like the 3G. Each rivet size has three times the grip range of previous drive rivets . . . only 6 sizes replace 19.

The tapered end provides faster, easier installation. You need only a hammer . . . no special tools. Pull-up is automatic and fastener backout is eliminated. The large head prevents crushing of wood, plastic or metal liners. And cargo can never hang up on the low, smooth profile.

Use 3G for maintenance . . . and be sure they're on new equipment you buy.

- *For complete information, write*
  Southco Division, South Chester Corp.
  228 Industrial Highway, Lester, Penna.

**Triplegrip—Rivet and Mfg. patented.*

SOUTHCO LION **FASTENERS** *IMPROVE TRUCK BODY, TRAILER AND BUS CONSTRUCTION*

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PHONE YOUR LOCAL SOUTHCO DISTRIBUTOR

NEW economy	NEW safety	NEW efficiency

ON ROUTE DELIVERIES
ALL-NEW 'Jeep' FLEETVAN

Payload	1,000 pounds
Engine	Hurricane, 4 Cyl. F-Head, 72 hp.
Wheelbase	81 inches
Overall Length	154 inches
Load Space Volume	170 Cu. Ft.
Interior Height Rear Load Area	62½ inches
Length of Load Area	87½ inches
Interior Width Load Area	57 inches

Here's the newest, most economical walk-in delivery van you can buy—the sensational new 'Jeep' Fleetvan. Ideal for multi-stop delivery use! The Fleetvan parks easy. Maneuvers easy. New safety-designed front lets the driver see the road just a short way in front of the bumper. And the Fleetvan gives top gas economy too. These are just a few of the reasons the U. S. Post Office purchased over 6,000 'Jeep' Fleetvans. For full information on the 'Jeep' Fleetvan write to Mr. R. J. Kreusser, Fleet Sales Manager, Willys Motors, Inc., Toledo 1, Ohio.

'Jeep' FLEETVAN®

WILLYS MOTORS, INC., TOLEDO, OHIO. ONE OF THE GROWING KAISER INDUSTRIES

a "Fleet" Inventory

—done the N·A·P·A way —saves you time and money!

N·A·P·A
National Automotive Parts Association
Assurance of Quality

● N·A·P·A Fleet Inventory Forms, which your N·A·P·A Jobber has, serve a double purpose: By giving you an individual card record of each vehicle, with the part numbers of essential items which may be required for maintenance (one copy for you and one for your N·A·P·A Jobber) phone orders are simplified and service expedited. The same information also permits your N·A·P·A Jobber to anticipate your normal requirements and stock accordingly.

No matter whether your fleet is made up of passenger cars, light, medium or heavy trucks—one make or many—your N·A·P·A Jobber, as part of the nation's largest independent parts distributing system, is in position to supply your requirements with unusual promptness. Once your Fleet Inventory is taken, practically all of your normal requirements can be handled from his own stock, Rarely needed items that neither you nor any jobber can afford to carry in stock are no farther away than the nearest of N·A·P·A's 45 Warehouses. There is no waiting for "shipment from the factory."

The manufacturers of the products distributed under the N·A·P·A Seal read like the "blue book" of the industry. Their resources aggregate more than a billion dollars. Many of these products are widely used as original equipment. *All* of them are recognized as meeting the highest engineering standards.

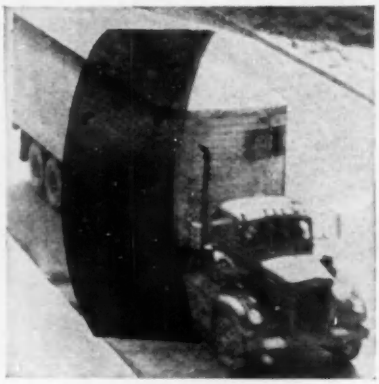
If your N·A·P·A Jobber has already told you all this (when you have been too pre-occupied with more immediate problems to listen closely) it might well pay *you* to take the initiative—and learn directly the *complete* story of how you and your N·A·P·A Jobber can work together to your mutual advantage. The lines shown on the following pages are just a small sampling of what your N·A·P·A Jobber has to offer you—plus the fastest and most complete service you can get from any one source, anywhere.

NATIONAL AUTOMOTIVE PARTS ASSOCIATION, 29 E. MADISON · CHICAGO 2, ILLINOIS

3000 N·A·P·A JOBBERS

serve fleets everywhere with these and other finely engineered products

3000 N·A·P·A JOBBERS



Keep 'em on the road!

To keep 'em on the road—safely, profitably—equip your trucks and trailers with American Brakeblok, the quality heavy-duty brake lining. Stands up best under today's bigger loads, heavier traffic—delivers longer, safer, trouble-free mileage . . . Riveted, bonded, thick blocks. Your N·A·P·A jobber has it.

AMERICAN BRAKEBLOK
P.O. BOX 21 • BIRMINGHAM, MICHIGAN

ZOLLNER Pistons

THE ORIGINAL EQUIPMENT LINE

Expertly engineered pistons make a big difference in efficiency and upkeep cost. Pistons by Zollner are the dominant choice of fleet owners. Over 70% of all makes of trucks and buses are Zollner equipped.

ZOLLNER CORPORATION
FORT WAYNE, INDIANA

See your N·A·P·A Jobber for whatever you need in exhaust system parts. Soundmaster mufflers are engineered to exacting standards of longest life, lowest back pressure—with sound control of 125 sones or less. Ask your N·A·P·A Jobber for the complete Soundmaster Muffler, Pipe, Accessory catalog or write to

DE KOVEN MANUFACTURING COMPANY
RACINE, WISCONSIN

Allied Cylinder Sleeve Assemblies

The wide coverage line of cylinder sleeve assemblies, all of which incorporate the use of chrome top rings as well as oil rings. The centrifugally cast sleeves give exceptional wear resistance. Their superior graphite distribution insures fast, scuff-free break-in.

ALLIED AUTOMOTIVE PARTS COMPANY
INDIANAPOLIS, INDIANA

B★K Tunemaster

Accurate, sturdy and easy to use, these precision B★K instruments perform *every major step* in a tune-up job. Cost-saving on *any* engine. A *necessity* with automatic transmissions. Includes Power Timing Light, Tachometer, Point Dwell Tester, Voltage Regulator Tester and Ignition Tester, in metal case.

B★K SERVICE PRODUCTS
INDIANAPOLIS, INDIANA

Allied Bi-Metal Valves

In most engines today, only a valve made of two metals can give you the service you want. With Austenitic non-magnetic steel in the heads and hardenable steel in the tip-hardened stems, Allied valves withstand the extreme temperatures the head must take and the terrific pounding the stem must endure.

ALLIED AUTOMOTIVE PARTS COMPANY
INDIANAPOLIS, INDIANA

serve fleets everywhere with these and other finely engineered products

Clevite 77 Engine Bearings

In heavy-duty operation, Clevite 77 always gives superior performance. For longer, trouble-free operation, always specify Clevite 77 for your engine overhauls.

CLEVITE SERVICE DIVISION
CLEVELAND 3, OHIO

Allied Pistons and Pins

Factory-finished pistons, precisely dimensioned to correct clearances and contours, with aluminum pistons tin-coated and cast iron pistons lubrite finished for safe break-in protection. Complete sets balanced for weight. Take advantage of this unusual Allied service.

ALLIED AUTOMOTIVE PARTS COMPANY
INDIANAPOLIS, INDIANA

The Heavy-Duty, Double-Duty BRIGGS Adjustable Brigadier

Proper suspension can help safeguard your cargo as well as your truck. That's why you should look into the famous Briggs Brigadier . . . adjustable three ways for any type of operation! Conversion units also available. See your N·A·P·A Jobber for full details about the complete Briggs line.

THE BRIGGS SHOCK ABSORBER COMPANY
CLEVELAND, OHIO

Allied Water Pumps and Parts

Allied water pumps now have aluminum housings—pit-resistant balanced, plastic impellers—machined cast and bored surfaces. Exceeding all former standards of performance and long life, they give you maximum insurance against leakage, bearing noise and more serious failures.

ALLIED AUTOMOTIVE PARTS COMPANY
INDIANAPOLIS, INDIANA

Mac's Makes It Work—1, 2 & 3

1. Mac's Cooling System Cleanser gets rid of rust and sludge in radiator and water jackets. **2.** Mac's Sealer & Stop Leak seals in anti-freeze; stops leaks in radiator or gaskets almost instantly. **3.** Mac's No. 13 inhibits rust and scale throughout the cooling system, serves as water-pump lubricant.

MAC'S SUPER GLOSS CO., INC.
LOS ANGELES, CALIF. • CINCINNATI, OHIO

Shock-Cushioned Bulbs

Visall 64 Square and 61 Oblong Clearance Marker, Identification Lights; Visall 180 Stop and Tail Light all available with Shock-Cushioned Bulb or regular socket mounting. Visall features permit tailoring of lights to specific requirements.

VEHICLE PRODUCTS COMPANY
CINCINNATI, OHIO

More details? Circle 174 on reply card inside back cover

MOLDED PARTS
ECHLIN
Ignition
BETTER TO START AND
BEST IN THE LONG RUN
ECHLIN Ignition UNITED Brake Parts
THE ECHLIN MANUFACTURING COMPANY · BRANFORD, CONN. • UNITED PARTS DIVISION · CHICAGO, ILL.
ECHLIN-UNITED OF CANADA, LTD., TORONTO
IGNITION & ELECTRICAL PARTS · HYDRAULIC & POWER BRAKE PARTS · BRAKE CABLES · BRAKE FLUID · SPEEDOMETER CABLES

PISTON PIN BUSHING BORING MACHINES

Cedar Rapids Engineering Co 902 17th St N E Cedar Rapids Iowa
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Tobin-Arp Mfg Co 6400 Penn Ave S Minneapolis 23 Minn

PISTON PIN REMOVING & INSTALLING TOOLS

HERBRAND DIV Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
Lisle Corp 809 E Main St Clarinda Iowa
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis Mo
New Britain Machine Co Hand Tools Div South St New Britain Conn
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
PROTO TOOLS CO Div Pendleton Tool Industries Inc 2209 Santa Fe Ave Los Angeles 54 Calif
SEALED POWER CORP 2001 Sanford St Muskegon Mich
Sunnen Products Co 7910 Manchester Ave St Louis 17 Mo
Winona Tool Mfg Co 1430 W Broadway Winona Minn

PISTON RINGS

AMERICAN HAMMERED AUTOMOTIVE REPLACEMENT DIV Sealed Power Corp 2001 Sanford St Muskegon Mich
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
G N ENGINE PARTS DIV First Nat'l Bank Bldg St Paul 1 Minn
HASTINGS MFG CO N Hanover St Hastings Mich
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis Mo
MOOG INDUSTRIES INC 6565 Wells Ave St Louis 33 Mo
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Muskegon Piston Ring Co 1839 Sixth St Muskegon Mich
PERFECT CIRCLE CORP 552 S Washington St Hagerstown Ind
RAMSEY CORP 3693 Forest Park Blvd St Louis 8 Mo
SEALED POWER CORP 2001 Sanford St Muskegon Heights Mich
Simplex Piston Ring Mfg Co 12301 Bennington Ave Cleveland 11 Ohio
Wausau Motors Parts Co P O Box 318 Schofield Wis
Wisconsin Motor Corp 3165 N 30th St Milwaukee 16 Wis

PISTON RING COMPRESSING TOOLS

Cornwell Quality Tool Co 200 N Cleveland Ave Magadore Ohio
Duro Metal Products Co 2649 N Kildare Ave Chicago 39 Ill
G N ENGINE PARTS DIV First Nat'l Bank Bldg St Paul 1 Minn
HASTINGS MFG CO N Hanover St Hastings Mich
HERBRAND DIV Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
Lisle Corp 809 E Main St Clarinda Iowa
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
New Britain Machine Co Hand Tools Div South St New Britain Conn
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
PROTO TOOLS CO Div Pendleton Tool Industries Inc 2209 Santa Fe Ave Los Angeles 54 Calif
Rinck-McIlwaine Inc 16 Hudson St New York 13 N Y
SEALED POWER CORP 2001 Sanford St Muskegon Mich
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis

PISTON RING EXPANDERS

Cornwell Quality Tools Co 200 N Cleveland Ave Magadore Ohio
G N ENGINE PARTS DIV First Nat'l Bank Bldg St Paul 1 Minn
HASTINGS MFG CO N Hanover St Hastings Mich
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
Muskegon Piston Ring Co 1839 Sixth St Muskegon Mich
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
SEALED POWER CORP 2001 Sanford St Muskegon Mich
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis

PLATES, CLUTCH PRESSURE—See Clutches & Parts

PLYWOOD PANELS

Harbor Plywood Corp Box 940 Aberdeen Wash
Haskelite Mfg Div Evans Products Co 701 Ann St N W Grand Rapids Mich
Met-L-Wood Corp 6755 W 65th Chicago 38 Ill
United States Plywood Corp Weldwood Bldg 55 W 44th St New York 36 N Y

PNEUMATIC TOOLS & EQUIPMENT—See item desired

REMEMBER: Vehicle makers offer parts and components for their own vehicles. Generally it is not possible to list them under all the product headings involved. Also many makers have a line of reconditioned (by qualified local rebuilders) parts and components, and some supply parts and components for other makers' vehicles. Vehicle makers who have a separately named division for handling parts and components are listed under the heading "Replacement Parts". Otherwise the address is as shown under the appropriate vehicle heading. For example, "Trucks" or "Trailers".

POINTS, IGNITION—See Ignition Parts
POLISHERS—See Sanders
POLISHING COMPOUNDS—See Compounds, Rubbing & Polishing
POWER, STEERING—See Steering Gear Power Systems

POWER TAKE-OFFS

Cemco Industries Inc Galion Ohio
Chelsea Products Inc 21 Buchanan St Chelsea Mich
CLARK EQUIPMENT CO Automotive Div Buchanan 3 Mich
DANA CORP Standard Equipment Div 4100 Bennett Rd Toledo 1 Ohio
FAB Mfg Co 1249 67th St Oakland 8 Calif
Gar Wood Industries Inc Wayne Mich
Heil Co The 3042 W Montana St Milwaukee Wis
Holan Corp 4100 W 150th St Cleveland 35 Ohio
Ramsey Winch Co 5531 E Admiral Place Tulsa Okla
ROCKFORD CLUTCH DIV Borg-Warner Corp 1335 18th Ave Rockford Ill
Stow Mfg Co 443 State St Binghamton N Y
TEC Div Heil Co 1285 W 70th St Cleveland 2 Ohio
Truckstell Mfg Co 3490 W 140th St Cleveland 11 Ohio
TULSA PRODUCTS DIV Vickers Inc 731 E First St Tulsa 20 Okla
Twin Disc Clutch Co 1328 Racine St Racine Wis
WATSON CO H S 1316 67th St Emeryville 8 Calif
Wesco Products Co 2300 S Parkway Chicago 16 Ill

PRESSES, DRILL—See Drill Presses

PRESSES, Hydraulic

(See also Rams)

Blackhawk Automotive Div Blackhawk Mfg Co 5325 W Rogers St Milwaukee 46 Wis
CHICAGO PNEUMATIC TOOL CO 8 E 44th St New York 17 N Y
HEIN-WERNER CORP 1200 National Ave Waukesha Wis
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
Lempco Products Inc 5490 Dunham Rd Warren Mich
Manley Div Douglas Motors Inc 1243 N 62nd St Milwaukee 13 Wis
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Tobin-Arp Mfg Co 6400 Penn Ave S Minneapolis 23 Minn
Watervliet Tool Co P O Box 350 Albany N Y
Wilson Inc K R Arcade N Y

PRESSES, WHEEL STRAIGHTENING—See Wheel Straighteners
PREVENTIVES, RUST—See Radiator Rust Inhibitors

PRIMERS, Engine

Automotive & Marine Products Corp 165 Chestnut Hill Ave Boston 35 Mass
Dole Valve Co 6201 Oakton St Morton Grove Ill
Imperial Brass Mfg Co 6300 W Howard St Chicago 48 Ill
KOHLER CO Kohler Wis
Phillips Mfg Co 8200 Grand Ave S Minneapolis 20 Minn
STANDARD OIL CO OF CALIF (Chevron) 225 Bush St San Francisco 20 Calif
Start Pilot Corp 61 Second St Mineola N Y
Turner Corp 851 Park Ave Sycamore Ill

PROPELLER SHAFTS

BORG-WARNER SERVICE PARTS CO 6 N Michigan Ave Chicago 2 Ill
Cleveland Steel Products Corp 16025 Brookpark Rd Cleveland 11 Ohio
DANA CORP Standard Equipment Div 4100 Bennett Rd Toledo 1 Ohio
Detroit Bevel Gear Co 834 N Seventh St Minneapolis 11 Minn
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Mechanics Universal Joint Div Borg-Warner Corp 2020 Harrison Ave Rockford Ill
Muncie Parts Mfg Co P O Box 348 Muncie Ind
Republic Steel Corp Steel & Tubes Div 224 E 131st St Cleveland 8 Ohio
ROCKWELL-STANDARD CORP Transmission & Axle Div 100-400 Clark Ave Detroit 32 Mich
SAGINAW STEERING GEAR DIV General Motors Corp 3900 Holland Rd Saginaw Mich
U S AXLE CO INC Water St Pottstown Pa

PULLERS, Axle Shaft

HERBRAND DIV Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio
K-D MFG CO 526 N Plum St Lancaster Pa
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
KEN TOOL MFG CO 768 E North St Akron 5 Ohio
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
PROTO TOOLS CO Div Pendleton Tool Industries Inc 2209 Santa Fe Ave Los Angeles 54 Calif
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Wright Tool Co 4316 N Woodward St Royal Oak Mich

PULLERS, Bearing, Gear & Wheel

BARRETT EQUIPMENT CO 2101 Cass Ave St Louis 6 Mo
Blackhawk Automotive Div Blackhawk Mfg Co 5325 W Rogers St Milwaukee 46 Wis
HERBRAND DIV Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio
K-D MFG CO 526 N Plum St Lancaster Pa
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
KEN TOOL MFG CO 768 E North St Akron 5 Ohio
Lisle Corp 809 E Main St Clarinda Iowa
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
New Britain Machine Co Hand Tools Div South St New Britain Conn
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
PROTO TOOLS CO Div Pendleton Tool Industries Inc 2209 Santa Fe Ave Los Angeles 54 Calif
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Wilson Inc K R Arcade N Y

PULLERS, Cylinder Liner (Sleeve)

HERBRAND DIV Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
PROTO TOOLS CO Div Pendleton Tool Industries Inc 2209 Santa Fe Ave Los Angeles 54 Calif

PUMPS, VACUUM BRAKE—See Brake Vacuum Systems & Parts
PUMPS, DIESEL—See Fuel Pumps, Diesel

PUMPS, Drum or Barrel Type

BENNETT PUMP DIV John Wood Co Broadway & Wood Sts Muskegon Mich
Binks Mfg Co 3114-44 W Carroll Ave Chicago 12 Ill
De Vilbiss Co 300 Phillips Ave Toledo 1 Ohio
Eaton Mfg Co Pump Div W Hanover St Marshall Mich
Lincoln Engineering Co 4010 Goodfellow Blvd St Louis 20 Mo
TOKHEIM CORP General Products Div 1602 Wabash Ave Ft Wayne 1 Ind

PUMPS, GASOLINE—See Fuel Pumps, Gasoline
PUMPS, FUEL (SERVICE STATION)—See Fuel Pumps (Fuel Island)
PUMPS, WATER—See Water Pumps

RACKS, Stock Storage

BRANICK MFG CO P O Box 1937 Fargo N D (Tires)
Lewis-Shepard Products Inc 1050 Walnut St Watertown 72 Mass
Louisville Metal Products Co 1101 W Oak St Louisville Ky
Lyon Metal Products Inc 609 Monroe Ave Aurora Ill

RADAR DETECTORS

Gepco Mfg Co Summit Ill
MORTRONIC INDUSTRIES INC 2900 W Peterson Ave Chicago 45 Ill

RADIATORS

RADIATORS, Engine Cooling

Auto Radiator Mfg Co 2901 Indiana Ave Chicago 16 Ill
Daniel Radiator Corp 5542 Harvey Wilson Dr Houston 20 Tex
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
G & O Mfg Co 138 Winchester Ave New Haven 8 Conn
HARRISON RADIATOR DIV General Motors Corp Washburn & Walnut Sts Lockport N Y
Lake Auto Radiator Mfg Co 5200 W 130th St Cleveland 30 Ohio
Long Mfg Div Borg-Warner Corp 12501 Dequindre St Detroit 12 Mich
McCord Corp Riopelle at E Grand Blvd Detroit 11 Mich
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Yates-American Machine Co Beloit Wis
Young Radiator Co 709 S Marquette St Racine Wis

RADIATOR CAPS

A C SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
Accurate Products Inc 135 N Spring St Indianapolis Ind
Dole Valve Co 6201 Oakton St Morton Grove Ill
DORMAN PRODUCTS INC 5757 Mariemont Ave Cincinnati 27 Ohio
Eaton Mfg Co Stamping Div 17877 St Claire Ave Cleveland 10 Ohio
EVERHOT MFG CO 57 S 19th Ave Mayweed Ill
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
STANT MFG CO 1620 Columbia St Connersville Ind
Truckstell Mfg Co 3490 W 140th St Cleveland 11 Ohio
WOHLERT CORP 708 E Grand River Ave Lansing 5 Mich

RADIATOR CLEANERS (Chemical)

Aeroil Products Co 69 Wesley St South Hackensack N J
Bardahl International Corp 1400 W 52nd St Seattle 7 Wash
Brulin & Co 2939-45 Columbia Ave Indianapolis 7 Ind
DU PONT DE NEMOURS & CO E I Chemical Specialty Div Du Pont Bldg Wilmington 98 Del
Hollingshead Corp R M 840 Cooper St Camden 2 N J
HYPRESSURE JENNY DIV Homestead Valve Mfg Co Narrows Run Rd Coraopolis Pa
MAGNUS CHEMICAL CO INC 38 South Ave Garwood N J
OAKITE PRODUCTS INC 52-G Rector St New York 6 N Y
Permatex Co 300 Broadway Huntington Sta New York N Y

Rust Master Chemical Corp 175 Union St Worcester 8 Mass
UNION CARBIDE CONSUMER PRODUCTS CO Div Union Carbide Corp 270 Park Ave New York 17 N Y

RADIATOR COOLING FANS—See Fans, Cooling System
RADIATOR COOLANT TESTERS—See Hydrometers
RADIATOR FLUSHERS—See Cooling System Flushers
RADIATOR HOSE—See Hose Radiator

RADIATOR LEAK DETECTORS

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
Allen Electric & Equipment Co 2101 N Pitcher St Kalamazoo 13F Mich
Eaton Mfg Co Stamping Div 17877 St Claire Ave Cleveland 10 Ohio
Edelmann & Co E 2332 Logan Blvd Chicago 47 Ill
Hollingshead Corp R M 840 Cooper St Camden 2 N J
MAGNAFLUX CORP 7308 W Lawrence Ave Chicago 31 Ill
P & G MFG CO 5 N Mason St Portland 17 Ore
Radiator Specialty Co 1400 W Independence Blvd Charlotte 1 N C
SPRAGUE DEVICES INC 500 Huron St Michigan City Ind
STANT MFG CO INC 1620 Columbia St Connersville Ind

RADIATOR PRESSURE TESTERS

AC SPARK Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
Allen Electric & Equipment Co 2101 N Pitcher St Kalamazoo 13F Mich
Easton Mfg Co Stamping Div 17877 St Claire Ave Cleveland 10 Ohio
Edelmann & Co E 2332 Logan Blvd Chicago 47 Ill
P & G MFG CO 5 N Mason St Portland 17 Ore
Radiator Specialty Co 1400 W Independence Blvd Charlotte 1 N C
STANT MFG CO 1620 Columbia St Connersville Ind
Truckstell Mfg Co 3490 W 140th St Cleveland 11 Ohio

RADIATOR RUST INHIBITORS

ALEMITE DIV Stewart-Warner Corp 1840 Diversey Pkwy Chicago 14 Ill
Bardahl International Corp 1400 W 52nd St Seattle 7 Wash
Bar's Products Supply Inc P O Box 146 Holly Mich
Bowes "Seal Fast" Corp 5902 E 34th St Indianapolis 18 Ind
Commercial Solvents Corp 260 Madison Ave New York 17 N Y
DU PONT DE NEMOURS & CO E I Finishes Div Chemical Specialties Sales Wilmington 98 Del
Hollingshead Corp R M 840 Cooper St Camden 2 N J
HYPRESSURE JENNY DIV Homestead Valve Mfg Co Narrows Run Rd Coraopolis Pa
K & W Products Inc 8319 Allport Ave Whittier Cal
Kelite Products Inc 1250 N Main St Los Angeles 12 Cal
Mac's Super Gloss Co 6040 N Figueroa St Los Angeles 42 Cal
MAGNUS CHEMICAL CO INC 38 South Ave Garwood N J
Miracle Power Products Corp 1101 Beltline St Cleveland 9 Ohio
OAKITE PRODUCTS INC 52 G Rector St New York 6 N Y
Olin Mathieson Chemical Corp Industrial Chemical Div 400 Park Ave New York N Y
Permatex Co 300 Broadway Huntington Station New York N Y
Radiator Seal Co 625 Sixteenth Ave Council Bluffs Iowa
Radiator Specialty Co 1400 W Independence Blvd Charlotte 1 N C
Rust Master Chemical Corp 175 Union St Worcester 8 Mass
UNION CARBIDE CONSUMER PRODUCTS CO Div Union Carbide Corp 270 Park Ave New York 17 N Y
Walker Mfg Co of Wis 1201 Michigan Blvd Racine Wis
WILCO INC 4425 Bandini Blvd Los Angeles Cal
Wynn Oil Co 1151 W Fifth St Azusa Cal
Young Radiator Co 709 S Marquette St Racine Wis

RADIATOR SEALING COMPOUNDS

Bar's Products Supply Inc P O Box 146 Holly Mich
DU PONT DE NEMOURS & CO E I Finishes Div Chemical Specialties Sales Wilmington 98 Del
Hollingshead Corp R M 840 Cooper St Camden 2 N J
K & W Products Inc 8319 Allport Ave Whittier Cal
Mac's Super Gloss Co 6040 N Figueroa St Los Angeles 42 Cal
Olin Mathieson Chemical Corp Industrial Chemical Div 400 Park Ave New York N Y
Permatex Co 300 Broadway Huntington Sta New York N Y
Rust Master Chemical Corp 175 Union St Worcester 8 Mass
UNION CARBIDE CONSUMER PRODUCTS CO Div Union Carbide Corp 270 Park Ave New York 17 N Y

RADIATOR SHUTTERS

Cadillac Co Inc Race and Jay St Coldwater Mich
KYSOR HEATER CO 1100 Wright St Cadillac Mich

RADIOS, Two-Way

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
AUTOMATIC RADIO MFG CO 122 Brookline Ave Boston Mass
Bendix Radio Communications Div Bendix Corp E Joppa Rd Towson 4 Md
Du Mont Laboratories Inc Allen B Div Fairchild Camera & Instrument Corp 750 Bloomfield Ave Clifton N J
GENERAL ELECTRIC CO Communications Products Dept Lynchburg Va
International Telephone & Telegraph Corp Industrial Products Div 15191 Bledsoe St San Fernando Cal

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RADIOS, Two-Way—continued

MOTOROLA COMMUNICATIONS & ELECTRONICS INC 4501 W Augusta Blvd Chicago 51 Ill
RADIO CORP OF AMERICA Communications Products Div Front & Cooper Sts Camden N J
Radson Engineering Corp Automotive & Marine Div Macon Ill
Vocaline Co of America 105 Bristol Bldg Old Saybrook Conn

RAMPS, DOCK—See Dock Ramps

RAMS, Hydraulic

AUTO SPECIALTIES MFG CO INC 643 Graves St St Joseph Mich
Bean Division John FMC Corp 1305 S Cedar St Lansing 4 Mich
Blackhawk Automotive Div Blackhawk Mfg Co 5325 W Rogers St Milwaukee 46 Wis
Globe Hoist Co E Mermaid Lane & Queen St Philadelphia 18 Pa
HEIN-WERNER CORP 1200 National Ave Waukesha Wis
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
MONARCH ROAD MACHINERY CO (Snow Plow) 1331 Michigan St N E Grand Rapids 3 Mich
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
Watervliet Tool Co P O Box 350 Albany 1 N Y
Wright Tool Co 4316 N Woodward Royal Oak Mich

REAMERS, CYLINDER RIDGE—See Ridge Reamer

REAMERS, Solid & Adjustable

Barber-Colman Co 1300 Rock St Rockford Ill
Cleveland Twist Drill Co 1242 E 49th St Cleveland 14 Ohio
Cornwell Quality Tool Co 200 N Cleveland Ave Magadore Ohio
Heller Tool Co Heller Dr Newcomerstown Ohio
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
Keystone Reamer & Tool Co Millersburg Pa
Lee Co K O 110 First Ave Aberdeen S D
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
National Machine & Tool Co 4077 Page Ave Jackson Mich
National Twist Drill & Tool Co Rochester Mich
New Britain Machine Co Hand Tools Div South St New Britain Conn
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Watervliet Tool Co P O Box 350 Albany 1 N Y
Wilson Inc K R Arcade N Y

REAMERS, VALVE SEAT—See Valve Seat Grinders
REAR AXLES—See Axles, Rear Assembly
REAR VIEW MIRRORS—See Mirrors
RECAPPING EQUIPMENT—See Tire Recapping Equipment
RECAPPING SERVICE—See Tire Recapping Service

RECONDITIONED COMPONENTS

(Advertisers Only)

FORD AUTHORIZED RECONDITIONERS' ASSN Ford Div Ford Motor Co P O Box 685 Dearborn Mich
SALSBURY CORP (Head & Block Repair Service) 1161 E Florence Ave Los Angeles 1 Cal

RECORDERS, VEHICLE MOVEMENT—See Tachographs
RECORDING THERMOMETERS—See Thermometers
RECORDS, FLEET FORMS—See Forms, Fleet Records
REFACERS, VALVE—See Valve Refacers
REFILLS, OIL FILTERS—See Oil Filter Cartridges

REFLECTIVE MATERIALS

Arco Co The Div American - Marietta 7301 Bessemer Ave Cleveland 27 Ohio
Minnesota Mining & Mfg Co 900 Bush Ave St Paul 6 Minn
Ohio Decalcomania Co Excello Specialty Div 4103 E 100th St Cleveland 5 Ohio

REFLECTORS, Safety

ANTHES DIV Gleason Corp 325 N Plankinton Ave Milwaukee Wis
ARROW SAFETY DEVICE CO Holman St Mount Holly N J
AUTO LAMP MFG CO 2909 S Indiana Ave Chicago 16 Ill
Bolser Corp 27th & Main Sts Cedar Falls Iowa
DIETZ CO R E 225 Wilkinson St Syracuse 1 N Y
Do-Ray Lamp Co Inc 1458 S Michigan Ave Chicago 5 Ill
Griffin Lamp Co Shelby Miss
GROTE MFG Co State Route #7 Madison Ind
Guide Lamp Div General Motors Corp P O Box 1090 Anderson Ind
K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio
KING BEE MANUFACTURING CO 2600 Washington Blvd Bellwood Ill
Miro-Flex Co 1824 E 2nd St Wichita 14 Kan
Peterson Mfg Co 4515 E 75th Ter Kansas City 32 Mo
SIGNAL-STAT CORP 523 Kent Ave Brooklyn 11 N Y
Sparton Automotive Div Sparton Corp Jackson Mich
Speaker Corp J W 3059 N Weil St Milwaukee 12 Wis
YANKEE METAL PRODUCTS CORP 25 Grand St Norwalk Conn

REFRIGERATOR HOSE—See Hose Refrigerator

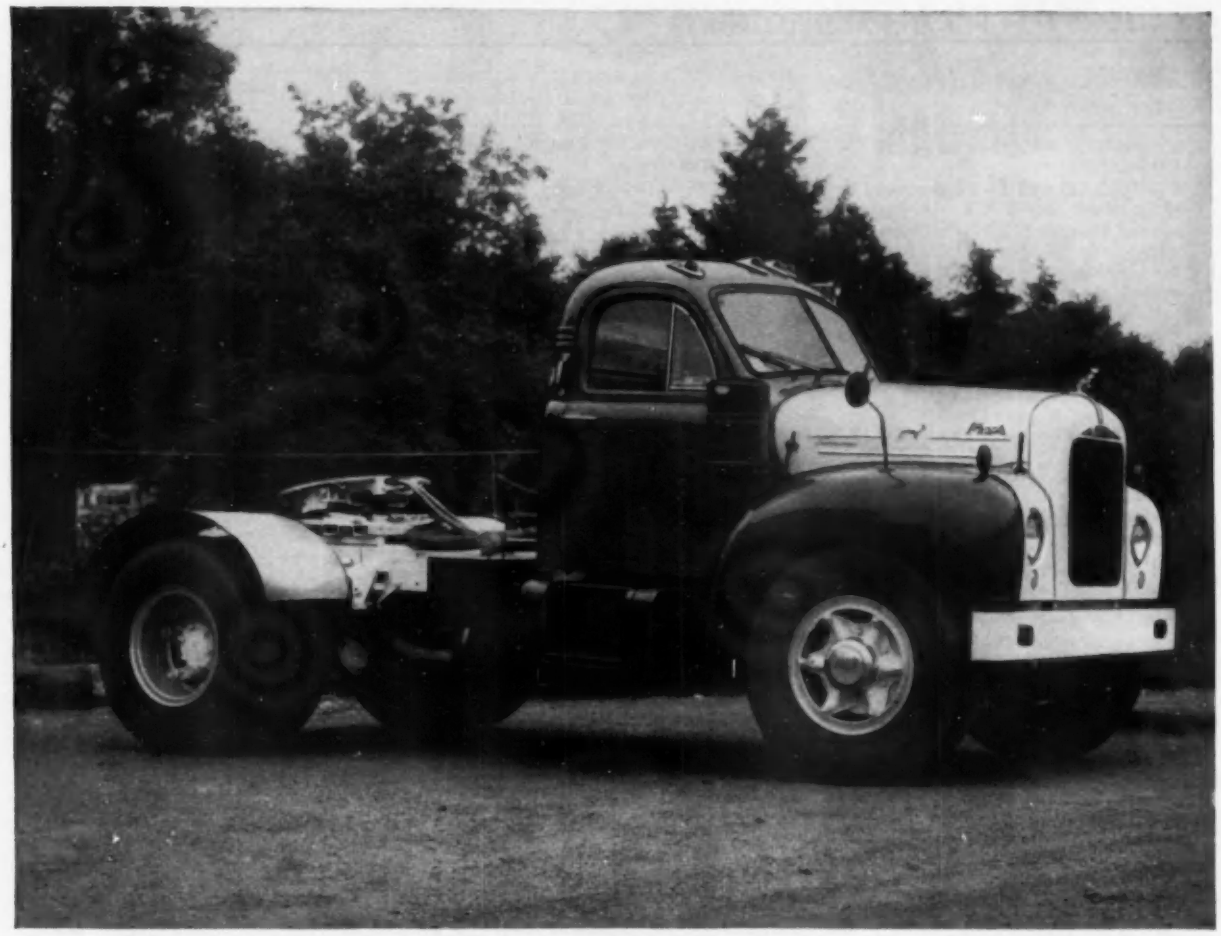
REFRIGERATION SYSTEMS & PARTS, Truck & Trailer

ARTIC TRAVELER DIV American Mfg Co P O Box 989 Montgomery 2 Ala
Carrier Corp Carrier Pkwy Syracuse 1 N Y
Coldmaster Div Construction Machinery Co Glennwood & Vinton Sts Waterloo Iowa
Copeland Refrigeration Corp Sidney Ohio (Condensing unit only)
Dole Refrigerating Co 5952 N Pulaski Rd Chicago 46 Ill
Foster-Built Bunkers Inc 1238 W Harrison St Chicago 7 Ill
Frank-Dewey Co 13801 Schoolcraft Detroit 27 Mich
FRIGIKAR CORP 10858 Harry Hines Blvd Dallas 20 Texas
Hunter Mfg Co 30525 Aurora Rd Solon Ohio
Kentucky Mfg Co 2601 Third St Louisville 8 Ky
KOHLER CO Kohler Wis
Kold Hold Div Tranter Mfg Inc 620 E Hazel St Lansing 4 Mich
Linde Co Div Union Carbide Corp 270 Park Ave New York 17 N Y
LIQUID CARBONIC DIV General Dynamics Corp 135 S La Salle St Chicago 3 Ill
McGRAW EDISON CO Transportation Cooling Div 5201 W 65th St Chicago 38 Ill (Coldmobile-TropicAire)
Polar Bear Inc 2111 W Beaver St Jacksonville 9 Fla
Pure Carbonic Co Div Air Reduction Co Inc 150 E 42nd St New York 17 N Y
SUNDSTRAND HYDRAULIC DIV Sundstrand Corp 2210 Harrison Ave Rockford Ill
Thermo Equipment Corp 179 Pulaski St Newark 5 N J
THERMO KING CORP 314 W 90th St Minneapolis 20 Minn
TRANSICOLD CORP 1100 S Taylor Ave Montebello Cal
Tru Kooler Div Sumner Industries Inc Sumner Iowa

REGROOVERS, TIRE—See Tire Regroovers

REGULATORS, Current & Voltage

ALEMITE DIV Stewart-Warner Corp 1850 Diversey Pkwy Chicago 14 Ill
American Bosch Div American Bosch Arma Corp 3664 Main St Springfield 7 Mass
Arrow Armatures Co 15 Fordham Rd Boston 34 Mass
BOSCH CORP ROBERT 40-25 Crescent St Long Island City 1 N Y
Cole-Hersee Co 20 Old Colony Ave Boston 27 Mass
DELCO REMY DIV General Motors Corp Anderson Ind
ELECTRIC AUTOLITE CO THE (PRESTOLITE) Toledo 1 Ohio
F & B MFG CO 4248 W Chicago Ave Chicago 51 Ill
FORD DIV Ford Motor Co P O Box 1718 Detroit 31 Mich
Guaranteed Parts Co Inc Auburn Rd Seneca Falls N Y
HOLLEY CARBURETOR CO 11955 E Nine Mile Rd Warren Mich
Kem Mfg Co 20-21 Wagaraw Rd Fair Lawn N J
LEECE-NEVILLE CO 1374 E 51st St Cleveland 3 Ohio
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich



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USED TRUCK
Mack
HEADQUARTERS

REGULATORS, Current & Voltage —continued

Niehoff & Co C E 4925 W Lawrence Ave Chicago 3 Ill
P & D MFG CO INC 19-02 Steinway St Long Island City 5 N Y
Preferred Electric & Wire Co Bush Terminal Bldg #8 Brooklyn 32 N Y
Shurhit Products Inc 845 S Market St Waukegan Ill
STANDARD MOTOR PRODUCTS INC 37-28 Northern Blvd Long Island City N Y
UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich
UNITED PARTS DIV Echlin Mfg Co 1250 W Van Buren St Chicago 7 Ill

REGULATORS, Fuel Pressure

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
Accurate Products Inc 135 N Spring St Indianapolis Ind
Alondra Inc 959 Crenshaw Blvd Los Angeles 19 Cal
American Liquid Gas Corp 1109 Santa Fe Ave Los Angeles 21 Cal (LP Gas)
Beam Products Mfg Co 3040 Rosslyn St Los Angeles 65 Cal
CENTURY GAS EQUIPMENT Marvel Schebler Products Div Borg Warner Corp 625 Southside Dr Decatur Ill (LP Gas)
Ensign Carburetor Div American Bosch Arma Corp 1551 E Orangethorpe Ave Fullerton Cal (LP Gas)
Milesmaster Inc of America 1550 E 74th Pl Chicago 19 Ill
ZENITH CARBURETOR DIV Bendix Corp 696 Hart Ave Detroit 14 Mich

REGULATORS, HUMIDITY—See Humidity Regulators

RELAYS, Electrical

Cole-Hersee Co 20 Old Colony Ave Boston 27 Mass
DELCO REMY DIV General Motors Corp Anderson Ind
ELECTRIC AUTOLITE CO THE (PRESTOLITE) Dayton 1 Ohio
F & B MFG CO 4248 W Chicago Ave Chicago 51 Ill
Guaranteed Parts Co Inc Auburn Rd Seneca Falls N Y
LEECE-NEVILLE CO 1374 E 51st St Cleveland 3 Ohio
Niehoff & Co C E 4925 W Lawrence Ave Chicago 3 Ill
P & D MFG CO INC 19-02 Steinway St Long Island City 5 N Y
Preferred Electric & Wire Co Bush Terminal Bldg #8 Brooklyn 32 N Y
Sparton Automotive Div Sparton Corp Jackson Mich
STANDARD MOTOR PRODUCTS INC 37-08 Northern Blvd Long Island City N Y
UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich
UNITED PARTS DIV Echlin Mfg Co 1250 W Van Buren St Chicago 7 Ill

REMOVERS, PAINT—See Paint Removers

RENTAL CARS & TRUCKS—See Leasing Companies (Nationwide)
REPAIR COMPOUNDS, RADIATOR & BLOCK—See Radiator Sealing Compounds
RESISTORS, IGNITION—See Ignition Parts

REPLACEMENT PARTS

Accurate Products Inc 135 N Spring St Indianapolis Ind
CHEVROLET DIV General Motors Corp General Motors Bldg Detroit 2 Mich
DANA CORP Standard Equipment Div 4100 Bennett Rd Toledo 1 Ohio
DELCO REMY DIV General Motors Corp Anderson Ind
DORMAN PRODUCTS INC 5757 Mariemont Ave Cincinnati 27 Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
FRUEHAUF TRAILER CO 10940 Harper Ave Detroit 32 Mich
Ideal Corp 435 Liberty Ave Brooklyn 7 N Y
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis
K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio
MACK TRUCKS INC 1355 W Front St Plainfield N J
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
NATIONAL AUTOMOTIVE PARTS ASSN 29 E Madison Ave Chicago 2 Ill
THOMPSON PRODUCTS REPLACEMENT DIV Thompson-Ramo-Wooldridge Inc 6402 Cedar Ave Cleveland 3 Ohio
UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich
UNITED PARTS DIV Echlin Mfg Co 1250 W Van Buren St Chicago 7 Ill
WOHLERT CORP 708 E Grand River Ave Lansing 5 Mich

RETAINERS, OIL AND GREASE—See Oil Seals

RETARDERS, Vehicle

(See also Brakes, Compression Exhaust)

AUTO SPECIALTIES MFG CO INC 643 Graves St St Joseph Mich
Fawick Brake Div Fawick Corp 9921 Clinton Rd Cleveland 9 Ohio
JACOBS MFG CO Clessie L Cummins Div West Hartford 10 Conn
Lear Inc Electro-Mechanical Div Grand Rapids Mich
Long Mfg Div Borg-Warner Corp 12501 Dequindre St Detroit Mich
Parkersburg Rig & Reel Co 4801 Richmond Ave Houston 27 Tex
POWER BRAKE EQUIPMENT CO 1632 S E 11th Ave Portland 14 Ore
THOMPSON PRODUCTS MICHIGAN DIV Thompson - Ramo - Wooldridge Inc 34201 Van Dyke Ave Warren Mich
WAGNER ELECTRIC CORP 6470 Plymouth Ave St Louis 33 Mo

RETREADING EQUIPMENT—See Tire Recapping Equipment

RIDGE REAMERS

Armco Tools Inc 2100 Commonwealth Ave North Chicago Ill
Cornwell Quality Tool Co 200 N Cleveland Ave Magadore Ohio
G N ENGINE PARTS DIV First Nat'l Bank Bldg St Paul 1 Minn
Hall Toledo Inc 2931 South Ave Toledo 9 Ohio
HASTINGS MFG CO N Hanover St Hastings Mich
Kent - Moore Organization Inc 28635 Mound Rd Warren Mich
Lisle Corp 809 E Main St Clarinda Iowa
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
New Britain Machine Co Hand Tools Div South St New Britain Conn
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis

RIMS, WHEEL—See Wheel Rims
RING COMPRESSORS—See Piston Ring Compressing Tools
RING EXPANDERS—See Piston Ring Expanders
RING GEARS, FLYWHEEL—See Flywheel Ring Gears
RING GEARS & PINIONS—See Axles, Ring Gear & Pinion

RING GEAR RIVETING JIGS

General Mfg & Engrg Co 6432 Farnsworth Ave Detroit 11 Mich
Kent - Moore Organization Inc 28635 Mound Rd Warren Mich
Lempco Products Inc 5490 Dunham Rd Bedford Ohio

RINGS, PISTON—See Piston Rings

RIVETING GUN

CHICAGO PNEUMATIC TOOL CO 8 E 44th St New York 17 N Y
INGERSOLL-RAND CO 11 Broadway New York 4 N Y
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Marson Corp 115 Mill St Revere 51 Mass
Star Machine & Tool Co 227 Sixth St S E Minneapolis 14 Minn
Thor Power Tool Co 175 N State St Aurora Ill

RIVETING MACHINES—See Brake Riveting Machines

RIVETS

Huck Mfg Co 2480 Bellevue Ave Detroit 7 Mich
Marson Corp 765 Revere Beach Pkwy Revere 51 Mass
SOUTH CHESTER CORP Southco Div 228 Industrial Hwy Lester Pa
Star Expansion Industries Corp Mountainville N Y
Townsend Co Box 71-E Ellwood City Pa

ROAD SWEEPERS

Allis-Chalmers Mfg Co Engine Material Handling Div 1135 S 70th St Milwaukee 1 Wis

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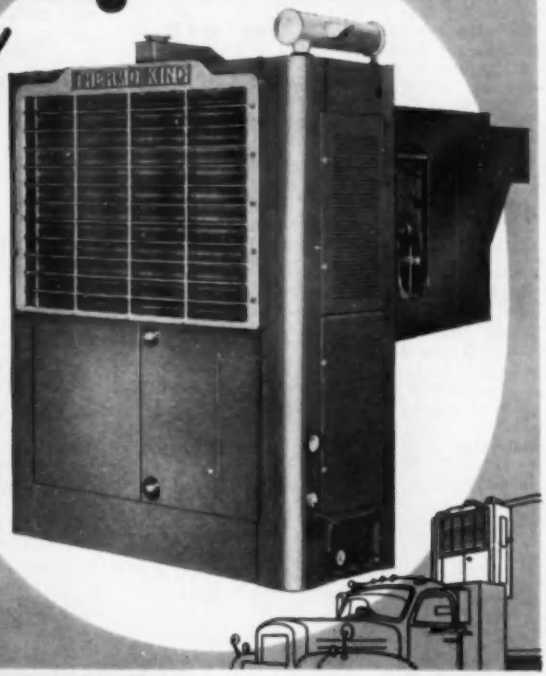

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. . . Improved, Simplified Design & Component Accessibility!
. . . Lighter-in-Weight!

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ONE-PIECE FACTORY ASSEMBLED REFRIGERATION-HEATING UNIT

NEW! SIMPLIFIED UNITIZED CONTROL PANEL—Electrical relay controls and switches are assembled in one panel equipped with quick disconnect plugs for instant replacement and service.

NEW! SUPER EFFICIENT HEAT CIRCULATION & DEFROSTING—Heating capacity is boosted by new, specially designed accumulator and super-heating coil. Automatic defrosting controlled by a new air pressure defrost switch and shutter combination.

NEW! SAFETY CONTROLS BUILT IN—Starter-generator circuit breaker switch, cranking limit switch, low oil pressure cutout, high engine temperature cutouts are standard built-in protection for your Thermo King equipment.

NEW! IMPROVED REFRIGERATION SYSTEM DESIGN—Exclusive super compressor and coil design. Easy access to all components for maintenance requirements.

Add these outstanding new features to the tested and proven Model SRL which already features the exclusive one piece "up front" design, money-saving stop and go operation, and you have further verified Thermo King's claim of the most refrigeration and heating capacity per dollar . . . per pound. Model SRL is factory assembled and tested—dependability Thermo King backs with the most liberal warranty in the refrigeration industry!

There is a THERMO KING unit designed to hold any temperature or to maintain any range of temperatures under any transport condition

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World Leader in Transport Refrigeration
306-D West 90th St., Minneapolis 20, Minnesota

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Minneapolis 20, Minnesota
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Address_____
City_____ Zone_____ State_____

ROAD SWEEPERS—continued

Austin - Western Works Construction Equipment Div Baldwin-Lima-Hamilton Corp 601 Farnsworth Ave Aurora Ill
Elgin Sweeper Co 5 Walnut Ave Elgin Ill
Frink Sno Plows Inc 205-227 Webb St Clayton N Y
Gravely Tractors Div Studebaker-Packard Corp Dunbar W Va
Hough Co The Frank G 601 Sunnyside Ave Libertyville Ill
Laitner Brush Co 2000 Brooklyn Ave Detroit 26 Mich
YOUNG SPRING & WIRE CORP Equipment Div 500 Lehmann Ave Bowling Green Ohio

ROLLERS, Highway Construction

Acme Iron Works (Ingram) P O Box 2020 San Antonio 6 Texas
Austin - Western Works Construction Equipment Div Baldwin-Lima-Hamilton Corp 601 Farnsworth Ave Aurora Ill
Bros Inc 1057 10th Ave S E Minneapolis 14 Minn
Browning Mfg Co P O Box 2707 San Antonio 6 Texas
Buffalo-Springfield Roller Co 1210 Kenton St Springfield Ohio
C H & E Mfg Co 3849 N Palmer St Milwaukee 12 Wis
Galion Irons Works & Mfg Co Galion Ohio
Huber-Warco Co 202 N Greenwood St Marion Ohio
LeTourneau R G Longview Texas
Seaman-Gunnison Div Seaman Corp 2763 S 27th St Milwaukee 15 Wis
Shovel Supply Co Inc Box 1369 Dallas Texas
Tampo Mfg Co P O Box 2340 San Antonio 7 Tex

ROTORS, DISTRIBUTOR—See Ignition Parts
RUBBER MOUNTINGS, INSULATED—See Mountings, Insulated
RUBBING COMPOUNDS—See Compounds, Rubbing & Polishing
RUST INHIBITORS, RADIATOR—See Radiator Rust Inhibitors
SAFETY BELTS—See Seat Belts
SAFETY FLARES—See Flares, Emergency
SAFETY FUSEES—See Fusees
SAFETY GLASS—See Glass

SAND BLASTERS

A L C COMPANY 646 Oak St Medina Ohio
Grover Products Co 1233 S Hope St Los Angeles 15 Cal
Sellers Injector Corp 1600 Hamilton St Philadelphia 43 Pa
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Tobin-Arp Mfg Co 6400 Penn Ave S Minneapolis 23 Minn
Vapor Blast Mfg Co 3025 W Atkinson Ave Milwaukee 9 Wis

SANDERS, Portable Electric

ALBERTSON & CO INC 3100 Lowell Ave Sioux City 3 Iowa (Sioux Tools)
Aro Equipment Corp Bryan Ohio
Big-Four Industries Inc Maineville (Foster) Ohio
BLACK & DECKER MFG CO 629 Pennsylvania Ave Towson 4 Md
CHICAGO PNEUMATIC TOOL CO 8 E 44th St New York 17 N Y
Egan Mfg Co H B P O Box 1406 Muskogee Okla
INGERSOLL-RAND CO 11 Broadway New York 4 N Y
Millers Falls Co 57 Wells St Greenfield Mass
Porter-Cable Machine Co 700 Marcells St Syracuse 4 N Y
Skil Corp 5033 Elston Ave Chicago 30 Ill
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Stanley Electric Tools Div Stanley Works 480 Myrtle Ave New Britain Conn
Stow Mfg Co 443 State St Binghamton N Y
Sundstrand Machine Tool Co Pneumatic Div 2531 11th St Rockford Ill
Thor Power Tool Co 175 N State St Aurora Ill
Wilson Inc K R Arcade N Y

SANDERS, Portable Pneumatic

ALBERTSON & CO INC 2801 Floyd Blvd Sioux City 2 Iowa (Sioux Tools)
Aro Equipment Corp Bryan Ohio
CHICAGO PNEUMATIC TOOL CO 8 E 44th St New York 17 N Y
Gardner-Denver Co S Front St Quincy Ill
INGERSOLL-RAND CO 11 Broadway New York 4 N Y
Skil Corp 5033 Elston Ave Chicago 30 Ill
SUNDSTRAND HYDRAULIC DIV Sundstrand Corp 2210 Harrison Ave Rockford Ill
Thor Power Tool Co 175 N State St Aurora Ill
Rotor Tool Co 23600 Lakeland Blvd Cleveland 23 Ohio
Watervliet Tool Co 413 N Pearl St Albany 1 N Y

SANDERS, Vehicle Traction

NAPCO INDUSTRIES INC (Napco Elston) 7th & Lyndale Sts Minneapolis 11 Minn

SANDPAPER & DISCS

ALBERTSON & CO INC 3100 Lowell Ave Sioux City 3 Iowa (Sioux Tools)

REMEMBER: Vehicle makers offer parts and components for their own vehicles. Generally it is not possible to list them under all the product headings involved. Also many makers have a line of reconditioned (by qualified local rebuilders) parts and components, and some supply parts and components for other makers' vehicles. Vehicle makers who have a separately named division for handling parts and components are listed under the heading "Replacement Parts". Otherwise the address is as shown under the appropriate vehicle heading. For example, "Trucks" or "Trailers".

Armour Coated Abrasives Div Armour & Co North Benton Rd Alliance Ohio
BARRETT EQUIPMENT CO 2101 Cass Ave St Louis 6 Mo
BLACK & DECKER MFG CO 629 Pennsylvania Ave Towson 4 Md
Carborundum Co Buffalo Ave Niagara Falls N Y
Minnesota Mining & Mfg Co 900 Bush Ave St Paul 6 Minn
Permacel U S Highway 1 New Brunswick N J
Skil Corp 5033 Elston Ave Chicago 30 Ill
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Watervliet Tool Co P O Box 350 Albany 1 N Y

SAWS, Portable Electric

ALBERTSON & CO INC 2801 Floyd Blvd Sioux City 2 Iowa (Sioux Tools)
BLACK & DECKER MFG CO 629 Pennsylvania Ave Towson 4 Md
CHICAGO PNEUMATIC TOOL CO 8 E 44th St New York 17 N Y
Cummins Portable Tools Div John Oster Mfg Co 5055 N Lydell Ave Milwaukee 17 Wis
Millers Falls Co 57 Wells St Greenfield Mass
Porter-Cable Machine Co 700 Marcelles St Syracuse 4 N Y
Skil Corp 5033 Elston Ave Chicago 30 Ill
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Stanley Electric Tools Div Stanley Works 480 Myrtle Ave New Britain Conn
Thor Power Tool Co 175 N State St Aurora Ill

SAWS, Portable Pneumatic

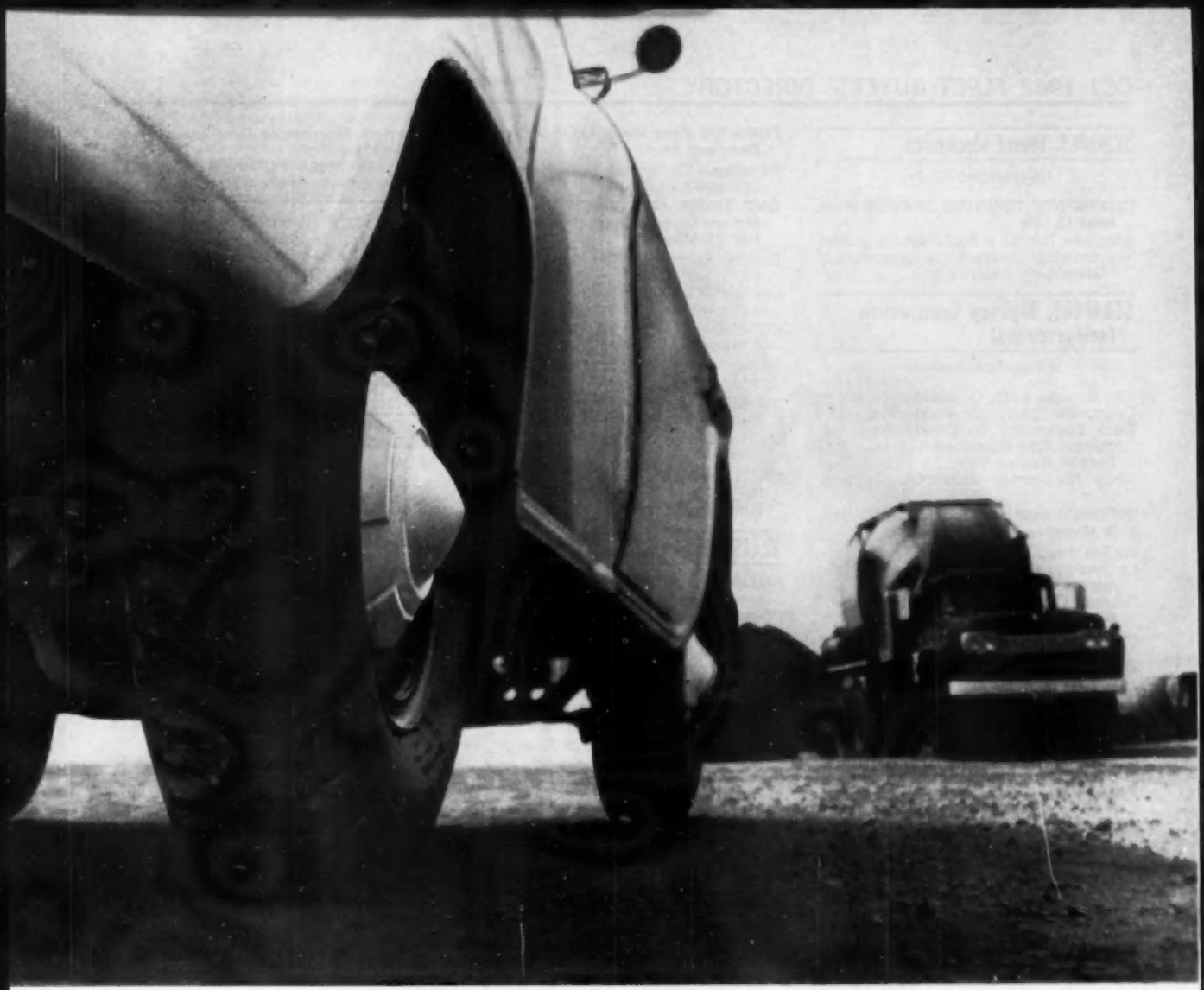
CHICAGO PNEUMATIC TOOL CO 8 E 44th St New York 17 N Y
INGERSOLL-RAND CO 11 Broadway New York 4 N Y
Skil Corp 5033 Elston Ave Chicago 30 Ill
Thor Power Tool Co 175 N State St Aurora Ill

SCALES, Terminal

Buffalo Scale Co Inc 46 Letchworth St Buffalo 13 N Y
Detecto Scales Inc Div Jacobs Bros Co 540 Park Ave Brooklyn N Y
Fairbanks Morse & Co 600 S Michigan Ave Chicago 5 Ill
Howe Scale Co 160 Scale Ave Rutland Vt
Toledo Scale Div Toledo Scale Co Telegraph Rd Toledo 12 Ohio

SCALES, Vehicle

Buffalo Scale Co Inc 46 Letchworth St Buffalo 13 N Y
Cemco Industries Inc Galion Ohio
Fairbanks Morse & Co 600 S Michigan Chicago 5 Ill
Howe Scale Co 160 Scale Ave Rutland Vt
POWER BRAKE EQUIPMENT CO 1632 S E 11th Ave Portland 14 Ore
Toledo Scale Div Toledo Scale Co Telegraph Rd Toledo 12 Ohio



For stop-and-start traffic or plain hard work, there is an Allstate truck tire to do the job.

Allstate truck tires come in every size, every design and the famous Sears guarantee comes with them

Sears has an Allstate truck tire for every type of job—and every size of fleet. Sales and service at Sears stores coast to coast. Satisfaction guaranteed—or your money back.

ALLSTATE truck tires come in every size. And work long and hard to make trucks go better than ever—under all conditions. In stop-and-go city traffic. On a farm, where the going gets rough and muddy. Over long highway hauls.

And only Allstate guarantees its truck tires against bruise breaks before 25% of the non-skid tread is worn. This guarantee is *in writing*. And it is only part of the most complete truck tire guarantee in the industry.

Sears stores everywhere sell and service Allstate truck tires. Visit one soon.

SEARS ROEBUCK AND CO. ALLSTATE

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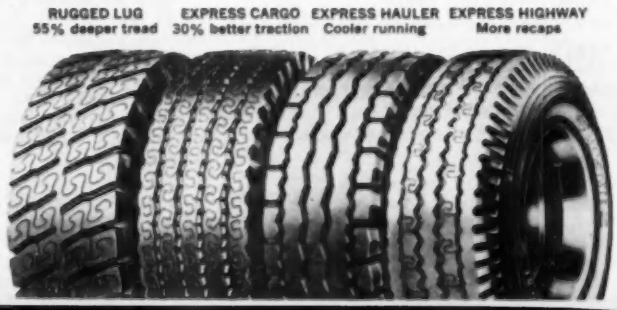
More details? Circle 178 on reply card inside back cover



SCHOOLS, Diesel Mechanics

(Advertiser Only)

INTERSTATE TRAINING SERVICE Portland 12 Ore

Also see list of schools offering fleet training courses in Association Directory Section

SCRAPERS, Highway Construction (self-propelled)

(See also Graders)

Allis-Chalmers Mfg Co Milwaukee Wis
Caterpillar Tractor Co Peoria 8 Ill
Clark Equipment Co Construction Machinery Div Pipestone Rd Box 599 Benton Harbor Mich
Euclid Div General Motors Corp Hudson Ohio
INTERNATIONAL HARVESTER CO 180 N Michigan Ave Chicago 1 Ill
Le Tourneau R G Longview Texas
Le Tourneau-Westinghouse Co 2301 N Adams St Peoria Ill
Seaman Corp 2763 S 27th St Milwaukee 15 Wis

SCREW DRIVERS, Portable Electric

ALBERTSON & CO INC 2801 Floyd Blvd Sioux City 2 Iowa (Sioux Tools)
BLACK & DECKER MFG CO 629 Pennsylvania Ave Towson 4 Md
CHICAGO PNEUMATIC TOOL CO 8 E 44th St New York 17 N Y
INGERSOLL-RAND CO 11 Broadway New York 4 N Y
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
Millers Falls Co 57 Wells St Greenfield Mass
Skil Corp 5033 Elston Ave Chicago 30 Ill
Stanley Electric Tools Div Stanley Works 480 Myrtle Ave New Britain Conn
Thor Power Tool Co 175 N State St Aurora Ill

SCREW DRIVERS, Portable Pneumatic

ALBERTSON & CO INC 2801 Floyd Blvd Sioux City 2 Iowa (Sioux Tools)
Aro Equipment Corp Bryan Ohio
CHICAGO PNEUMATIC TOOL CO 8 E 44th St New York 17 N Y
Gardner-Denver Co S Front St Quincy Ill
INGERSOLL-RAND CO 11 Broadway New York 4 N Y
Skil Corp 5033 Elston Ave Chicago 30 Ill
Thor Power Tool Co 175 N State St Aurora Ill

SEALED BEAM UNITS—See Lamps, Sealed Beam
SEALERS, RADIATOR—See Radiator Sealing Compounds
SEALING COMPOUNDS, WINDSHIELD—See Windshield Sealing Compounds
SEALS—See Oil Seals

SEATS, Bus

AMERICAN SEATING CO 901 Broadway Grand Rapids 2 Mich
Flxible Co 326 N Walter St Loudonville Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Freedman Co Hyman 1825 Newport St Chicago 13 Ill
GMC TRUCK AND COACH DIV General Motors Corp 660 South Blvd E Pontiac 11 Mich
General Seating Co 220 Main St Topton Pa
Goodrich Chemical Co B F 3135 Euclid Ave Cleveland 15 Ohio
GOODYEAR TIRE & RUBBER CO 1144 E Market St Akron 16 Ohio
Milsco Mfg Co 2758 N 33rd St Milwaukee 10 Wis
MOLDED FIBER GLASS BODY CO 4637 Benefit Ave Ashtabula Ohio
Rigidized Metals Corp 769 Ohio St Buffalo 3 N Y
UNITED STATES RUBBER CO Rockefeller Center 1230 Ave of the Americas New York 20 N Y

SEATS, Truck

AMERICAN METAL PRODUCTS CO Unison Action Seat Div 5959 Linsdale Ave Detroit 4 Mich
AMERICAN SEATING CO 9th & Broadway Grand Rapids 2 Mich
BOSTROM CORP 133 W Oregon St Milwaukee 4 Wis
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Freedman Co Hyman 1825 Newport St Chicago 13 Ill
General Seating Co 220 Main St Topton Pa
GOODYEAR TIRE & RUBBER CO 1144 E Market St Akron 16 Ohio
Milsco Mfg Co 2758 N 33rd St Monroe Mich
MOBAY CHEMICAL CO Penn Lincoln Pkwy W Pittsburgh 5 Pa
Monroe Auto Equipment Co 1426 E First St Monroe Mich
UNITED STATES RUBBER CO Rockefeller Center 1230 Ave of the Americas New York 20 N Y

SEAT BELTS

Alofs Mfg Co 345 32nd St S W Grand Rapids 8 Mich
American Safety Equipment Co 350 5th Ave New York 1 N Y (Hickok)
Auto-Craft Mfg Co Div B-N Corp 2425 San Fernando Rd Los Angeles 65 Cal
Beam's Mfg Co 13 N Robinson St Oklahoma City Okla
Davis Aircraft Products Inc Northport N Y
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
General Tube Co McKee & Davis Sts Sturgis Mich
HASTINGS MFG CO N Hanover St Hastings Mich
Irving Air Chute Co Inc 1315 Versailles Rd Lexington Ky
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Narrow Fabric Co Reading Pa
Ray Brown Automotive Co 5656 Santa Monica Blvd Los Angeles 38 Cal
Rupert Safety Belts Div Rupert Parachute Co Wheeling Ill
Rose Mfg Co 2700 Barberry Pl Denver 4 Colo
Sparton Automotive Div Sparton Corp Jackson Mich
Star-Lite Industries Gardena Cal
Tulareloft Inc Tulare Cal

SEAT CUSHIONS—See Seats, Truck or Bus
SHACKLES, SPRING—See Spring Shackles
SHAFTING, FLEXIBLE—See Flexible Shafting
SHAFTS, AXLE—See Axle Shafts
SHAFTS, PROPELLER—See Propeller Shafts
SHAFTS, TRANSMISSION—See Transmission Gears & Shafts

SHEARS, Portable Electric

BLACK & DECKER MFG CO 629 Pennsylvania Ave Towson 4 Md
Millers Falls Co 57 Wells St Greenfield Mass
Skil Corp 5033 Elston Ave Chicago 30 Ill
Stanley Electric Tools Div Stanley Works 480 Myrtle Ave New Britain Conn
Thor Power Tool Co 175 N State St Aurora Ill

SHIMS & SHIM STOCK

Champ-Items Inc 6191 Maple Ave St Louis 30 Mo
Chase Brass & Copper Co 236 Grand St Waterbury 20 Conn
FEDERAL MOGUL SERVICE DIV Federal-Mogul-Bower Bearings Inc 11031 Shoemaker Rd Detroit 13 Mich
FITZGERALD MFG CO 691 Main St Torrington Conn
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis
JOHNS MANVILLE CORP 22 E 40th St New York 16 N Y
McCord Corp Riopelle at E Grand Blvd Detroit 11 Mich
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
PERFECT CIRCLE CORP 552 S Washington St Hagerstown Ind
VICTOR MFG & GASKET CO P O Box 1333 Chicago 90 Ill

SHIMS, Caster & Camber

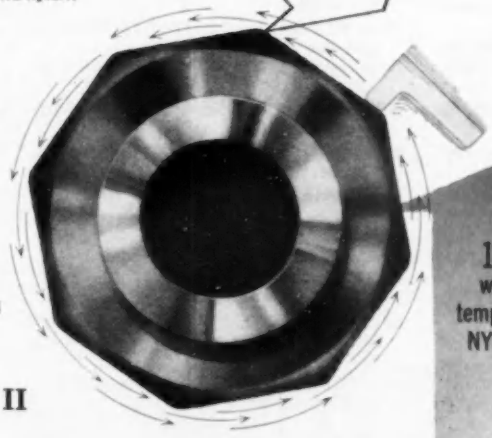
Accurate Products Inc 135 N Spring St Indianapolis Ind
Bean Division John FMC Corp 1305 S Cedar St Lansing 4 Mich
BEAR MFG CO 2016 Fifth Ave Rock Island Ill
Bennett-Feragen 1408 Jerome St Niles Michigan
FEDERAL MOGUL SERVICE DIV Federal-Mogul-Bower Bearings Inc 11031 Shoemaker Rd Detroit 13 Mich
Hunter Engineering Co Hunter Ave & Ladue Rd St Louis 24 Mo
MOOG INDUSTRIES INC 6565 Wells Ave St Louis 33 Mo

SHOCK ABSORBERS

BRIGGS SHOCK ABSORBER CO 1148 Euclid Ave Cleveland Ohio
Columbus Parts Corp 1801 Spielbush Ave Toledo 1 Ohio
Delco Products Div General Motors Corp 329 E First St Dayton 1 Ohio

TROUBLES...FAILURES... resulting from post-war changes in the cam such as the introduction of porous hex-steel, and new lobe designs together with higher speeds made necessary the development of a new cam follower material. Filko "Crown Jewel" engineering was FIRST WITH THE ANSWER! NYLON! Not just pure Nylon, which is too hard and can excessively wear the cam lobes, but TEMPERED NYLON that balances the wear characteristics of both steel and nylon!

it all started here 7 years ago



concerning the most important advance in contact sets since World War II

1ST with tempered NYLON

THE NYLON RECORD IS ALL-FILKO

FILKO FIRST IN FIELD BY 7 YEARS HERE IS THE BOX SCORE

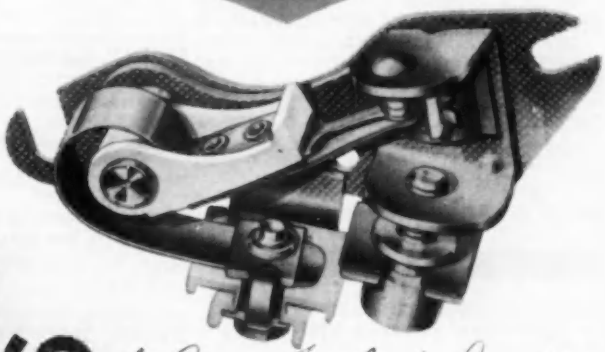
	NYLON CAM FOLLOWER	UNITIZED ARM
Filko	1954	1959
Brand W	1960	not yet
Brand X	1955	not yet
Brand Y	1958	1960
Brand Z	1958	not yet

All other brands continue to use out-dated compositions.

For replacement— 1ST with UNITIZED NYLON ARM making cam follower and arm into one unit

Filko pioneered it...introduced it and continues to SET THE PACE

7 YEARS after introduction, Filko is still the only major manufacturer with a complete line of unitized nylon contact sets. Just one other has imitated the Filko unitized Nylon construction! ONLY FILKO OFFERS Unitized Nylon for everything . . . cars (including compacts) . . . trucks . . . tractors . . . and buses. SEND FOR FREE "NYLON FACTS" bulletin or see your Filko Jobber.



filko *the Crown Jewels of Ignition*

a product of **F. & B. Mfg. Co.**
4248 Chicago Avenue, Chicago 51, Illinois
Warehouses in all principal automotive areas

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SHOCK ABSORBERS—continued

FORD DIV Ford Motor Co P O Box 658 Dearborn Mich

Houdaille Industries Inc Buffalo Hydraulics Div 537 E Delavan Ave Buffalo 11 N Y

INERTIA-MATIC INC 155 Arlington St Watertown Mass (Special body mounting)

Monroe Auto Equipment Co 1426 E First St Monroe Mich

MOOG INDUSTRIES INC 6565 Wells Ave St Louis 33 Mo

MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich

PARTS SPECIALTIES CO 5984 Lincoln Detroit 8 Mich

THOMPSON PRODUCTS REPLACEMENT DIV Thompson-Ramo-Wooldridge Inc 6402 Cedar Ave Cleveland 3 Ohio

SHOCK ABSORBERS (with booster springs)

FORD DIV Ford Motor Co P O Box 658 Dearborn Mich

Monroe Auto Equipment Co 1426 E First St Monroe Mich

MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich

Perfection Automotive Products Corp 925 W Elizabeth St Detroit 1 Mich

THOMPSON PRODUCTS REPLACEMENT DIV Thompson-Ramo-Wooldridge Inc 6402 Cedar Ave Cleveland 3 Ohio

SHOCK ABSORBER LINKS

Accurate Products Inc 135 N Spring St Indianapolis Ind

Champ-Items Inc 6191 Maple Ave St Louis 30 Mo

FORD DIV Ford Motor Co P O Box 658 Dearborn Mich

Houdaille Industries Inc Buffalo Hydraulics Div 537 E Delavan Ave Buffalo 11 N Y

McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo

MOOG INDUSTRIES INC 6565 Wells Ave St Louis 33 Mo

THOMPSON PRODUCTS REPLACEMENT DIV Thompson-Ramo-Wooldridge Inc 6402 Cedar Ave Cleveland 3 Ohio

WOHLERT CORP 708 E Grand River Ave Lansing 5 Mich

SHOES, BRAKE—See Brake Shoes
SHUTTERS, RADIATOR—See Radiator Shutters

SIGNALS

SIGNALS, DIRECTIONAL—See Directional Signals & Parts

SIGNALS, Air Filters

BACHARACH INDUSTRIAL INSTRUMENT CO 200 N Braddock Ave Pittsburgh 8 Pa

McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo

SIGNALS, Low Air Pressure Brake

BENDIX WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO 901 Cleveland Rd Elyria Ohio

Berg Mfg & Sales Co 1712-14 S Michigan Ave Chicago 16 Ill

Cole-Hersee Co 20 Old Colony Ave Boston 27 Mass

DELCO REMY DIV General Motors Corp Anderson Ind

ENGLER INSTRUMENT CO 250 Culver Ave Jersey City 5 N J

KYSOR HEATER CO 1100 W Wright St Cadillac Mich

Monroe Standard Inc 217 Wyandot Bldg Galion Ohio

POWER BRAKE EQUIPMENT CO 1632 S E 11th Ave Portland 14 Ore

STEWART-WARNER CORP Instrument Div 1840 Diversey Pkwy Chicago 14 Ill

UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich

Velvac Inc 3534 W Pierce St Milwaukee 15 Wis

WAGNER ELECTRIC CORP 6470 Plymouth Ave St Louis 33 Mo

SIGNALS, Low Air Pressure Tires

Tire Service Inc 1210 Exchange Bank Bldg Dallas 35 Texas

SIGNALS, Low Oil Level

KING-SEELEY THERMOS CO 315 S First St Ann Arbor Mich

SIGNALS, Low Oil Pressure

Cole-Hersee Co 20 Old Colony Ave Boston 27 Mass

DELCO REMY DIV General Motors Corp Anderson Ind

ELECTRIC AUTOLITE CO THE (PRESTOLITE) Toledo 1 Ohio

KYSOR HEATER CO 1100 W Wright St Cadillac Mich

Moto Gard Co 1104 W Carbarrus St Raleigh N C

STEWART-WARNER CORP Instrument Div 1840 Diversey Pkwy Chicago 14 Ill

SIGNALS, Low Vacuum (Brake)

Cole-Hersee Co 20 Old Colony Ave Boston 27 Mass

Monroe Standard Inc 217 Wyandot Bldg Galion Ohio

Moto Gard Co 1104 W Carbarrus St Raleigh N C

POWER BRAKE EQUIPMENT CO 1632 S E 11th Ave Portland 14 Ore

Velvac Inc 3534 W Pierce St Milwaukee 15 Wis

SIGNALS, Speed Warning

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint Mich

ENGLER INSTRUMENT CO 250 Culver Ave Jersey City 5 N J

KING-SEELY THERMOS CORP 315 S First St Ann Arbor Mich

SIGNALS, Water Temperature

Armbrust Automatic Corp 4452 W 16th St Chicago 23 Ill

DELCO REMY DIV General Motors Corp Anderson Ind

ELECTRIC AUTOLITE CO THE (PRESTOLITE) Toledo 1 Ohio

FORD DIV Ford Motor Co P O Box 658 Dearborn Mich

KYSOR HEATER CO 1100 W Wright St Cadillac Mich

Moto Gard Co 1104 W Carbarrus St Raleigh N C

STEWART-WARNER CORP Instrument Div 1840 Diversey Pkwy Chicago 14 Ill

Syncro-Start Products Inc 8151 N Ridgeway Ave Skokie Ill

UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich

SIGNS, Vehicle

(See also Decalcomanias)

ACME EQUIPMENT INC 505 Central Trust Bldg Altoona Pa

Allied Decals Inc 20707 Miles Ave Cleveland 28 Ohio

Kux Products Co 3925 Puritan Ave Detroit 38 Mich

Minnesota Mining & Mfg Co 900 Bush Ave St Paul 6 Minn

Mulholland-Harper Co 5800 Tacony St Philadelphia 24 Pa

Ohio Decalcomania Co Excello Specialty Div 4103 E 100th St Cleveland 5 Ohio

PERMALUX MFG CO 500 Rathbone Ave Aurora Ill

Reflective Industries Inc 2000 S Cherokee St Denver 23 Colo

SIRENS—See Horns, Sirens
SLACK ADJUSTERS, BRAKE—See Brake Adjusters
SLEEVES, CYLINDER—See Cylinder Liners

SNOW PLOWS

Caterpillar Tractor Co 600 W Washington St Peoria 8 Ill

Duplex Mfg Co Waterloo Nebr

FWD Corp E 12th St Clintonville Wis

Frink Sno Plows Inc 205-277 Webb St Clayton N Y

GLEDHILL ROAD MACHINERY CO THE S State Rd Galion Ohio

Good Roads Machinery Corp Bridge St Minerva Ohio

Gravely Tractors Inc Dunbar W Va

MONARCH ROAD MACHINERY CO 1331 Michigan St N E Grand Rapids 3 Mich

NAPCO INDUSTRIES INC Highway Safety Appliance Div 834 N Seventh St Minneapolis 11 Minn

OSHKOSH MOTOR TRUCK INC 2390 Oregon St Oshkosh Wis

Truck Engrg Co 3200 E Pontiac St Fort Wayne 4 Ind

Western Snow Plow Div Douglass Motors Corp 1234 N 62nd St Milwaukee 13 Wis

Walter Motor Truck Co School Rd Voorheesville N Y

SOAPS, VEHICLE WASHING—See Cleaning Compounds & Solvents

CCJ 1962 FLEET BUYERS' DIRECTORY

the extra *Margin of Safety for truck & bus

. . . MAXIBRAKE!

(the automatic spring-applied safety brake)

MAXIBRAKE mounts in place of the original service chamber quickly and inexpensively (no welding or additional linkage required). It is permanent, human-proof and will last the lifetime of your vehicle.

MAXIBRAKE Safety Chambers are Fail-Safe — over 1,000,000 miles of road testing with no failure, no service required!

MAXIBRAKE meets I.C.C. and other brake safety regulations. It has been tested and approved by highway regulatory bodies, has been established as standard equipment by major truck and bus manufacturers.

The new California law makes it mandatory to equip all vehicles using compressed air for actuating brakes with a safety device which will, upon loss of air pressure, automatically apply the brakes. Massachusetts follows this precedent with legislation which actually names MAXIBRAKE as the standard for such a device!

MAXIBRAKE means greater driver confidence, the lowest cost extra insurance you can buy, more rolling time — less down time!

- **AUTOMATIC, POSITIVE MECHANICAL APPLICATION OF BRAKE WHEN NORMAL AIR SUPPLY GOES OUT**
  brings vehicle to a safe, smooth stop!
- **RUNNING OR STANDING "NO-GO" BRAKES**
  will not allow vehicle to move if system air pressure is inadequate!
- **PARKING BRAKE**
  sets brake immovably—on steepest incline with simple hand valve control in cab (No risk of dangerous, costly runaways!)

There is a model to fit your rig's requirements

Consult your Dealer or write the Factory for complete information

* THE BIG M

MAXIBRAKE, INC.

41 S. De Lacey Avenue • Pasadena, California

SOLDERING IRONS, Electric

American Electrical Heater Co Woodward Cass & Burroughs Ave Detroit 2 Mich
General Electric Co Apparatus Sales Div 1 River St Schenectady 5 N Y
Linde Co Div Union Carbide Corp 270 Park Ave New York 17 N Y
Luma Electric Equipment Co P O Box 132 Toledo 1 Ohio
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Vulcan Electric Co 88 Holten St Danvers Mass
Weller Electric Co 601 Stone's Crossing Rd Easton Pa
Wen Products Inc 5810 Northwest Hwy Chicago 31 Ill

SOLVENTS, OIL, CARBON & GREASE—See Cleaning Compounds & Solvents
SPACERS, WHEEL—See Wheel Spacers

SPARK PLUGS

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
AUTOLITE DIV Ford Motor CO P O Box 2338 Dearborn Mich
Blue Crown Corp Defiance Ohio
BOSCH CORP ROBERT 40-25 Crescent St Long Island City N Y
Bowes "Seal Fast" Corp 5902 E 34th St Indianapolis 18 Ind
CHAMPION SPARK PLUG CO 904 Upton Ave Toledo 1 Ohio
ELECTRIC AUTOLITE CO THE (PRESTOLITE) Toledo 1 Ohio
FIRESTONE TIRE & RUBBER CO 1200 Firestone Pkwy Akron 17 Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
General Battery & Ceramic Corp Reading Pa
HASTINGS MFG CO N Hanover St Hastings Mich
Mallory Electric Corp 12416 Cloverdale Ave Detroit 4 Mich
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich

SPARK PLUG CLEANERS

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
BOSCH CORP ROBERT 40-25 Crescent St Long Island City 1 N Y
Brulin & Co 2939-45 Columbia Ave Indianapolis 7 Ind
CHAMPION SPARK PLUG CO 904 Upton Ave Toledo 1 Ohio
ELECTRIC AUTOLITE CO THE (PRESTOLITE)
OAKITE PRODUCTS INC 52G Rector St New York 6 N Y

SPARK PLUG TESTERS

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
Auto Test Inc 600 S Michigan Ave Chicago 5 Ill
BOSCH CORP ROBERT 40-25 Crescent St Long Island City 1 N Y
CHAMPION SPARK PLUG CO 904 Upton Ave Toledo 1 Ohio
Heyer Industries Inc 500 Cortland St Bellevue 9 N J
Kal-Equip Co 411 Washington St Otsego Mich
King Electric Equipment Co 9123 Inman Ave Cleveland 5 Ohio
Rinck-McIlwaine Inc 16 Hudson St New York 13 N Y

SPEEDOMETERS

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
ELECTRIC AUTOLITE CO THE (PRESTOLITE) Toledo 1 Ohio
ENGLER INSTRUMENT CO 250 Culver Ave Jersey City 5 N J
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
KING-SEELEY THERMOS CO 315 S First St Ann Arbor Mich
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
STEWART-WARNER CORP Instrument Div 1840 Diversey Pkwy Chicago 14 Ill

SPEEDOMETER CABLES

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
Actuator Products Corp P O Box 247 40 Nashua St Woburn Mass
Champ-Items Inc 6191 Maple Ave St Louis 30 Mo
ELECTRIC AUTOLITE CO THE (PRESTOLITE) Toledo 1 Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Perfection Automotive Products Corp 925 W Elizabeth St Detroit 1 Mich
STANDARD MOTOR PRODUCTS INC 3708 Northern Blvd Long Island City N Y
STEWART-WARNER CORP Instrument Div 1840 Diversey Pkwy Chicago 14 Ill

REMEMBER: Vehicle makers offer parts and components for their own vehicles. Generally it is not possible to list them under all the product headings involved. Also many makers have a line of reconditioned (by qualified local rebuilders) parts and components, and some supply parts and components for other makers' vehicles. Vehicle makers who have a separately named division for handling parts and components are listed under the heading "Replacement Parts". Otherwise the address is as shown under the appropriate vehicle heading. For example, "Trucks" or "Trailers".

UNITED PARTS DIV Echlin Mfg Co 1250 W Van Buren St Chicago 7 Ill

SPEED WARNING DEVICES—See Signals, Speed Warning
SPOTLIGHTS—See Lamp, Fog & Spot
SPRAY BOOTHS, PAINT—See Paint Spray Booths
SPRAY, IGNITION—See Ignition Spray
SPRAYERS, PAINT—See Paint Sprayers
SPRAYERS, UNDERCOATING—See Undercoating Sprayers
SPREADERS, TIRE—See Tire Service Equipment
SPREADERS, TIRE CHAIN—See Tire Chain Adjusters

SPLASH GUARDS

Buxbaum Products Co 520 McKinley Ave N W Canton 2 Ohio
DAYCO Corp Rubber Products Div 200 N Janice Ave Melrose Park Ill
GATES RUBBER CO 999 S Broadway Denver 17 Colo
FRUEHAUF TRAILER CO 10940 Harper Ave Detroit 32 Mich
Globe Rubber Products Corp 3333 N Lawrence St Philadelphia 40 Pa
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio
Koneta Rubber Co Park St Wapakoneta Ohio
LEE RUBBER & TIRE CORP Conshohocken Pa
Midwestern General Corp Detroit 27 Mich
Shaw Equipment Co 1500 Lafayette Ave Terre Haute Ind
THERMOID DIV Porter Co H K 200 Whitehead Rd Trenton 6 N J

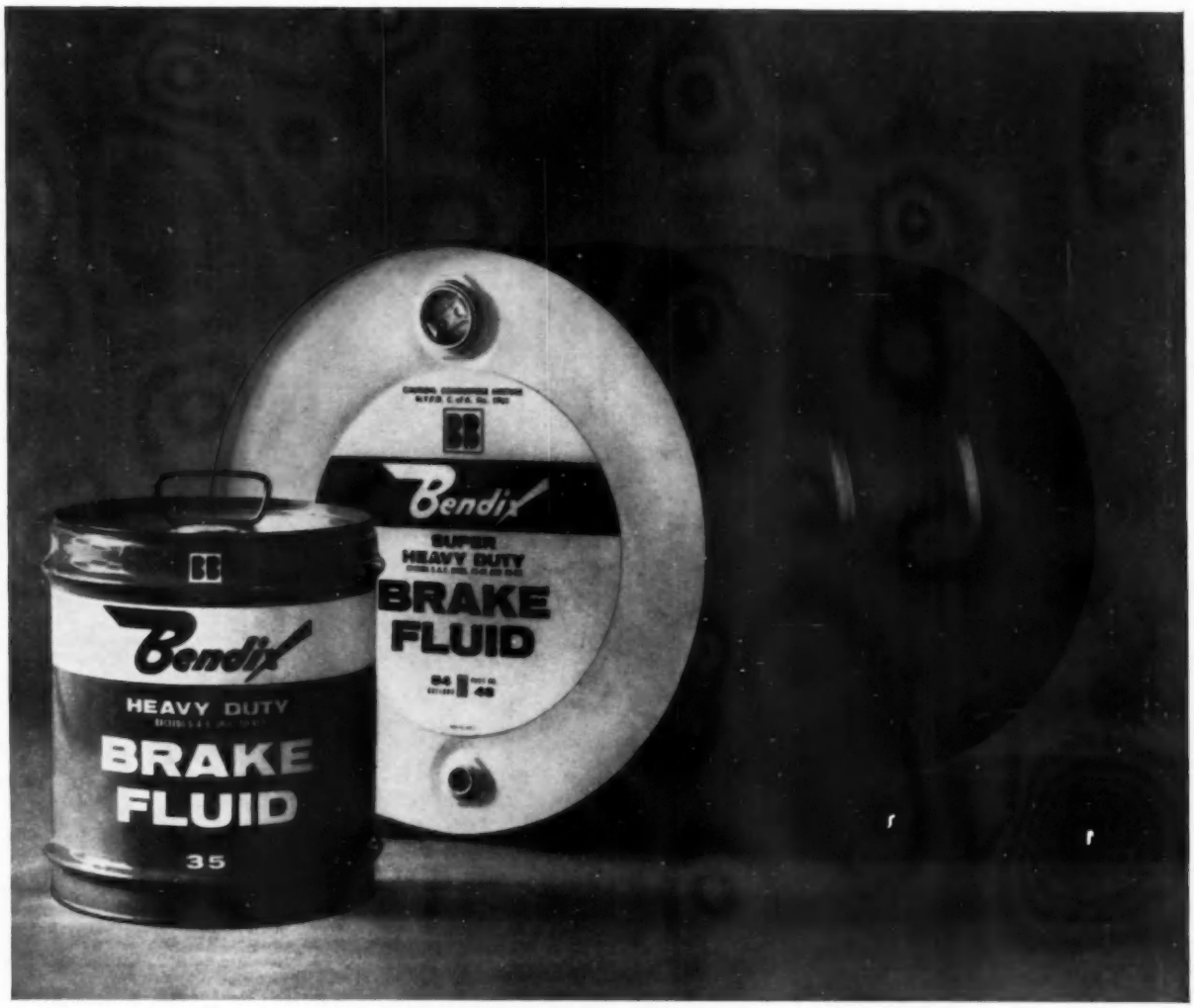
SPRINGS

SPRING CLIPS & U-BOLTS

Accurate Products Inc 135 N Spring St Indianapolis Ind
Borg-Warner Corp Spring Div 25th & Madison Aves Bellwood Ill
Champ-Items Inc 6191 Maple Ave St Louis 30 Mo
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis
Rockwell-Standard Corp Spring Div 500 E Ottawa St Logansport Ind
WOHLERT CORP 708 E Grand River Ave Lansing 6 Mich

SPRINGS, Air

Air Lift Co 2328-2330 W Main St Lansing Mich
BARTLETT TRAILER CORP 3080 Archer Ave Chicago 8 Ill
BENDIX WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO 901 Cleveland Road Elyria Ohio
BROWN TRAILER DIV Clark Equipment Co Box 410 Michigan City Ind
Firestone Industrial Products Co Noblesville Ind
GMC TRUCK & COACH DIV General Motors Corp 660 South Blvd E Pontiac 11 Mich



BENDIX BRAKE FLUID . . .

INDUSTRY-ACCEPTED FOR MODERN BRAKE SYSTEMS

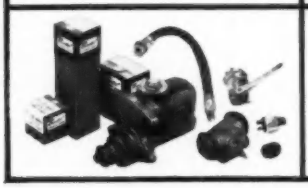
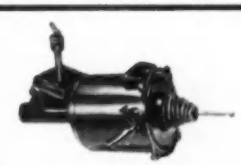
Today's driving conditions place a tremendous strain on your fleet's Brake Systems. Frequent city traffic stopping . . . high speed, superhighway driving . . . downhill deceleration . . . all these conditions raise the temperature inside a Brake System. Unless your Brake Fluid withstands these higher temperatures, braking efficiency is lost and lives and equipment endangered.

That's why Fleet Maintenance Managers insist on Bendix® Heavy Duty or Super Heavy Duty Brake Fluid—the Modern Brake Fluid! Contact your Bendix Distributor for prompt shipment. Ask him, too, for other Bendix Brake Restoration Service Material.

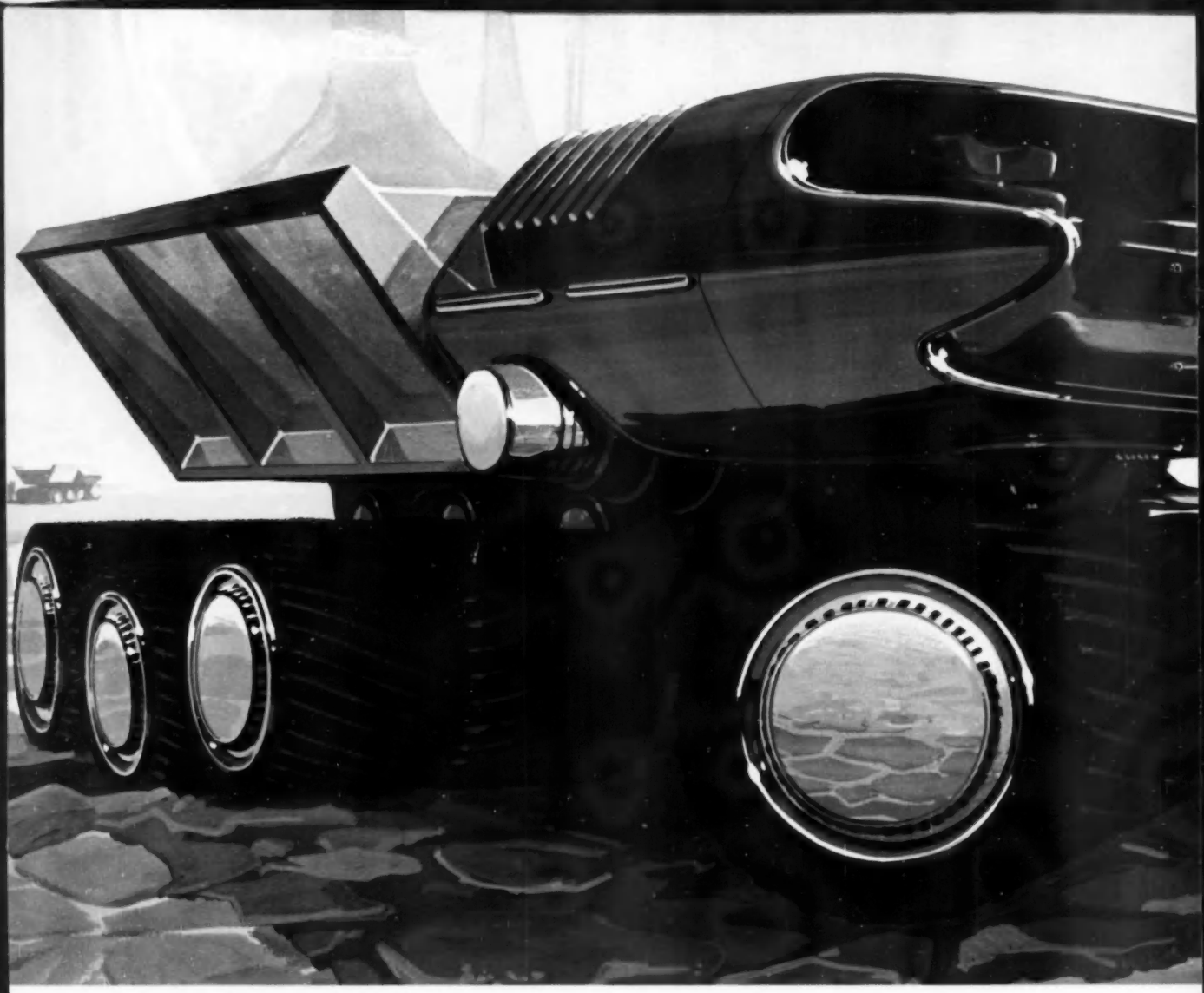
Bendix Automotive Service Division, South Bend 20, Indiana

Bendix Automotive Service

THE Bendix CORPORATION

HYDRAULIC BRAKE PARTS	NEW LINED BRAKE SHOES	POWER BRAKE SERVICE PARTS	POWER BRAKE X-CHANGE UNITS
			

Idea for a



Use strong,
rugged steels for
strong, rugged equipment

Here's how today's versatile USS Steels could keep this future carrier moving:

1. First problem: how to keep from bogging down on primitive roads. The solution is eight wheel drive, powered by individual motors built into each axle. For sure-footed traction and great maneuverability, servo controls can give instant wheel loading. The axles are under tremendous strain and torque so they're made of USS CARILLOY Steel 4150, a chrome-molybdenum alloy steel. The shock of sudden torque won't set up fatigue patterns that could cause shear failure.

2. The single beam frame is fabricated of USS "T-1" Constructional Alloy Steel to get maximum strength with minimum deadweight. "T-1" Steel has a minimum yield strength of 100,000 psi. This is a tough, strong, weldable steel that retains its toughness even at –50°F. Rutted roads won't strain this backbone; it will stay true and straight. Cradle for the power unit, built as an integral part of the frame, telescopes out for power source recharging.

Idea for a meteorite mover . . . in steel

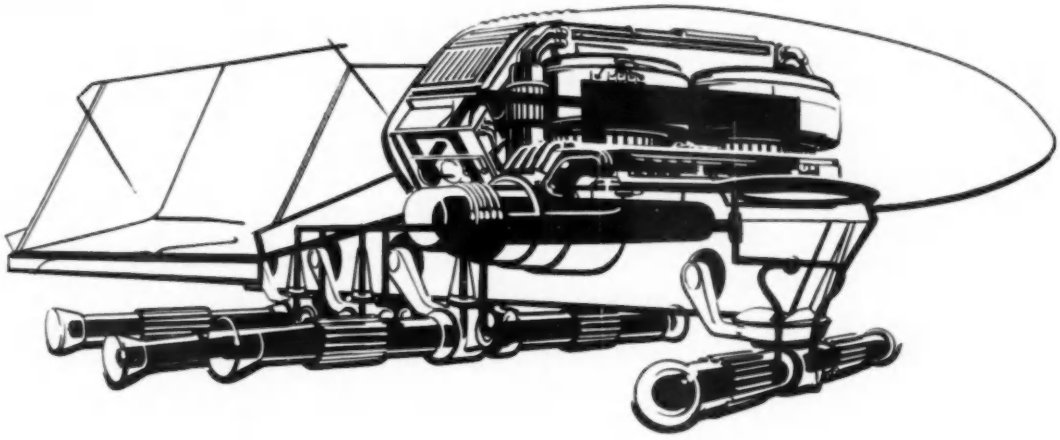
Once we start mining meteorites at the motherlode we'll need mammoth equipment like this go-anywhere ore carrier. It's built to horse loads of 100 tons or more over roadless country in any weather—and who knows what the weather's like on Venus. Steel keeps it on the go. Only steel has the strength and toughness to take the gaff.

Below are just a few of the imaginative uses of steel in this carrier of tomorrow's burdens. Today, there are over 160 different grades of steel used in passenger cars and trucks and thousands more are available. There is a steel for practically any combination of properties the engineer can dream up . . . Steels for strength, ruggedness, durability. When you want steels that will match your imagination, call United States Steel, 525 William Penn Place, Pittsburgh 30, Pennsylvania.

United States Steel Corporation • American Steel and Wire Division • Columbia-Geneva Steel Division • National Tube Division • Tennessee Coal and Iron Division • United States Steel Supply Division • United States Steel Export Company

USS

United States Steel



3. The major body and chassis components are made of USS TRI-TEN Steel, a high-strength low-alloy steel that delivers 50,000 psi minimum yield point and twice the corrosion resistance. TRI-TEN forms and welds readily so it's no problem to make the beams and channels for the dumping frame and the axle housings. At the same time, deadweight is reduced and carrying capacity is increased by using thin gage high strength steel sheets without a reduction in strength.

4. Deadweight is further reduced by forming the cab of USS EX-TEN Steel, a high-strength low-alloy steel. This versatile steel gives economy and high strength with a 50,000 psi minimum yield point. The liner plates of the side-dump body have the strength and wear resistance of USS "T-1" Steel. Loading and dumping 100-ton loads won't put a dent in this tough hide. USS, "T-1", CARILLOY, TRI-TEN, and EX-TEN are registered trademarks.

New style, new savings, new safety for your fleet in Rambler for 1962!

102 WAYS NEW AND BETTER! Scores of improvements for reduced fleet operating costs and maintenance! Plus low initial cost in a wide range of compact models—American, Classic 6, Ambassador V-8. Features like this are standard on all or most 1962 Ramblers: Double-Safety Brake System, with tandem master cylinders—one for front brakes, one for rear; 33,000-mile chassis lube; 4,000-mile engine-oil change; greater road clearance; Road Command Suspension for smoother ride; acoustical (and insulating) ceiling of molded fiber-glass. And all have no-rust-out Ceramic-Armored muffler and tailpipe, and famous Deep-Dip rustproofing up to the roof! See your Rambler dealer for an on-the-job test, or contact: Fleet Sales Department D-11, American Motors Corporation, 14250 Plymouth Road, Detroit 32, Michigan.

SAVE ON FLEET LEASING! Ask your leasing company for low Rambler rates, or write us for the names of available leasing companies located in your area.

Rambler

World Standard of Compact Car Excellence!

SPRINGS, Air—continued

General Tire & Rubber Co Englewood & Holmes Ave Akron 9 Ohio
HENDRICKSON MFG CO 8001 W 47th St Lyons Ill
Kenworth Motor Truck Co 8801 E Marginal Way Seattle 8 Wash
NEWAY EQUIPMENT CO P O Box 425 Muskegon Mich
Paul Auto Specialty Co 4329 Page Ave Michigan Center Mich
Spencer-Safford Loadcraft Inc Augusta Kan
Sway Control Inc 111 Broadway New York 6 N Y (Controls only)
WAGNER ELECTRIC CORP 6470 Plymouth Ave St Louis 33 Mo (Leveling valves only)
Western Unit Corp 17747 E Railroad St City of Industry Cal
Youngstown Steel Car Corp Hunter St Niles 6 Ohio

SPRINGS, Coil

ALLIED AUTOMOTIVE PARTS CO 1450 E 19th St Indianapolis 7 Ind
BURTON AUTO SPRING CORP Western Ave at 48th St Chicago 32 Ill
Eaton Mfg Co Spring Div 9771 French Road Detroit Mich
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
MOOG INDUSTRIES INC 6565 Wells Ave St Louis 33 Mo
Perfection Automotive Products Corp 925 W Elizabeth St Detroit 1 Mich
Rockwell-Standard Corp Spring Div 500 E Ottawa St Logansport Ind
THOMPSON PRODUCTS REPLACEMENT DIV Thompson-Ramo-Wooldridge Inc 6402 Cedar Ave Cleveland 3 Ohio

SPRINGS, Helper

Acme Spring Products Co 2812 W Fort St Detroit 16 Mich
BURTON AUTO SPRING CO Western Ave at 48th St Chicago 32 Ill
Champ-Items Inc 6191 Maple Ave St Louis 30 Mo
Koenig Iron Works Inc P O Box 7726 Houston 10 Tex
LAHER SPRING & ELECTRIC CAR CORP 2615 Magnolia St Oakland 7 Cal
Monroe Auto Equipment Co 1426 E First St Monroe Mich
MOOG INDUSTRIES INC 6565 Wells Ave St Louis 33 Mo
Paul Auto Specialty Co 4329 Page Ave Michigan Center Mich (Air)
Prior Products Inc 4828 Racell St Dallas 17 Texas
THOMPSON PRODUCTS REPLACEMENT DIV Thompson-Ramo-Wooldridge Inc 6402 Cedar Ave Cleveland 3 Ohio

SPRINGS, Leaf

Acme Spring Products Co 2812 W Fort St Detroit 16 Mich
BURTON AUTO SPRING CORP Western Ave at 48th St Chicago 32 Ill
Eaton Mfg Co Spring Div 9771 French Rd Detroit Mich
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
LAHER SPRING & ELECTRIC CAR CORP 2615 Magnolia St Oakland 7 Cal
Mather Spring Co P O Box 6695 Toledo 12 Ohio
MOOG INDUSTRIES INC 6565 Wells Ave St Louis 33 Mo
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
PAGE & PAGE CO 0605 S W Curry St Portland 1 Ore
Rockwell-Standard Corp Spring Div 500 E Ottawa St Logansport Ind

SPRING SHACKLES

ALLIED AUTOMOTIVE PARTS CO 1450 E 19th St Indianapolis 7 Ind
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
MOOG INDUSTRIES INC 6565 Wells Ave St Louis 33 Mo
THOMPSON PRODUCTS REPLACEMENT DIV Thompson-Ramo-Wooldridge Ind 6402 Cedar Ave Cleveland 3 Ohio
WOHLERT CORP 708 E Grand River Ave Lansing 33 Mo

STANDS, ELECTRIC TEST—See Testers, Electrical

STANDS, Engine, Transmission & Axle

Automotive Equipment Mfg Co 11000 S Alameda St Lynwood Cal
BACHARACH INDUSTRIAL INSTRUMENT CO 200 N Braddock Ave Pittsburgh 8 Pa
Globe Hoist Co E Mermaid La & Queen St Philadelphia 18 Pa
HEIN - WERNER CORP 1200 National Ave Waukesha Wis
K-D MFG CO 526 N Plum St Lancaster Pa
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
KEN-TOOL MFG CO 768 E North St Akron 5 Ohio
Manley Div Douglas Motors Inc 1243 N 62nd St Milwaukee 13 Wis
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
Storm-Vulcan Inc 2225 Burbank St Dallas 35 Texas
Walker Mfg Co of Wis 1201 Michigan Blvd Racine Wis
Wilson Inc K R Arcade N Y

STANDS, Portable (Tools & Parts)

ALBERTSON & CO INC 2801 Floyd Blvd Sioux City 2 Iowa (Sioux Tools)
BACHARACH INDUSTRIAL INSTRUMENT CO 200 N Braddock Ave Pittsburgh 8 Pa
BLACK & DECKER MFG CO 629 Pennsylvania Ave Towson 4 Md
Equipto Div Aurora Equipment Co Prairie St at Cleveland Ave Aurora Ill
Frick-Gallagher Mfg Co 200 W Second St Wellston Ohio
HEIN-WERNER CORP 1200 National Ave Waukesha Wis
HERBRAND DIV Bingham - Herbrand Corp Lake & Stone Sts Fremont Ohio
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Standard Pressed Steel Co P O Box 395 Jenkintown Pa
Wilson Inc K R Arcade N Y

STANDS, Vehicle

Automotive Equipment Mfg Co 11000 S Alameda St Lynwood Cal
AUTO SPECIALTIES MFG CO INC 643 Graves St St Joseph Mich
Blackhawk Automotive Div Blackhawk Mfg Co 5325 W Rogers St Milwaukee 46 Wis
HEIN - WERNER CORP 1200 National Ave Waukesha Wis
Joyce-Cridland Co 2027 E First St Dayton 3 Ohio
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
Manley Div Douglas Motors Inc 1243 N 62nd St Milwaukee 13 Wis
Walker Mfg Co of Wis 1201 Michigan Blvd Racine Wis
Watervliet Tool Co P O Box 350 Albany 1 N Y
Weaver Mfg Div Dura Corp 2171 S Ninth St Springfield Ill
Wilson Inc K R Arcade N Y

STARTER SWITCHES—See Switches, Starter

STARTING FLUID

Pyroil Co 122 N Main St La Crosse Wis
SPRAY PRODUCTS CORP P O Box 1988 Camden 1 N J
Standard Oil of Cal (Chevron) 225 Bush St San Francisco 20 Cal
Start Pilot Corp 61 Second St Mineola N Y
WILCO INC 4425 Bandini Blvd Los Angeles Cal

STARTING FLUID PRIMERS—See Primers, Engine

STARTING MOTORS, Air

BENDIX WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO 901 Cleveland Road Elyria Ohio
Gardner-Denver Co S Front St Quincy Ill
INGERSOLL-RAND CO 11 Broadway New York 4 N Y

STARTING MOTORS, Electric

American Generator & Armature Co 6100 W Grand Ave Chicago 39 Ill
Arrow Armatures Co 15 Fordham Rd Boston 34 Mass
DELCO REMY DIV General Motors Corp Anderson Ind
ELECTRIC AUTOLITE CO THE (PRESTOLITE) Toledo 1 Ohio
LEECE-NEVILLE CO 1374 E 51st St Cleveland 3 Ohio
UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich

STARTING MOTORS, Hydraulic

American Bosch Div American Bosch Arma Corp 3664 Main St Springfield 7 Mass
DETROIT DIESEL ENGINE DIV General Motors Corp 13400 W Outer Dr Detroit 28 Mich

STARTING MOTOR DRIVES & PARTS

Accurate Parts Mfg Co 12435 Euclid Ave Cleveland 6 Ohio
DELCO REMY DIV General Motors Corp Anderson Ind
ELECTRIC AUTOLITE CO THE (PRESTOLITE) Toledo 1 Ohio
ECLIPSE MACHINE DIV Bendix Corp 18th St & Oakwood Ave Elmira Hts Elmira N Y
F & B MFG CO 4248 W Chicago Ave Chicago 51 Ill
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Guaranteed Parts Co Inc Auburn Rd Seneca Falls N Y
HOLLEY CARBURETOR CO 11955 E Nine Mile Rd Warren Mich
Kem Mfg Co 20-21 Wagaraw Rd Fair Lawn N J
Morse Chain Co Div Borg-Warner Corp South Aurora St Ithaca N Y
Niehoff & Co C E 4925 W Lawrence Ave Chicago 30 Ill
Preferred Electric & Wire Co Bush Terminal Bldg #8 Brooklyn 32 N Y
Shurhit Products Inc 845 S Market St Waukegan Ill
STANDARD MOTOR PRODUCTS INC 37-08 Northern Blvd Long Island City N Y
UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich

STEAM CLEANERS—See Cleaning Machines

STEEL, Sheet

Alan Wood Steel Co Ivy Rock Rd Conshohocken Pa
ALLEGHENY LUDLUM STEEL CORP Oliver Bldg Pittsburgh 22 Pa
ARMCO STEEL CORP 703 Curtis St Middletown Ohio
Bethlehem Steel Co Bethlehem Pa
Crucible Steel Co of America P O Box 88 Pittsburgh 30 Pa
Great Lakes Steel Corp Tecumseh Rd Detroit 29 Mich
INLAND STEEL CO 30 W Monroe St Chicago 3 Ill
Jones & Laughlin Steel Corp 3 Gateway Center Pittsburgh 30 Pa
Kaiser Steel Corp Kaiser Center 300 Lakeside Dr Oakland 12 Cal
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio
Ryerson & Son Inc Joseph T 16th & Rockwell Sts Chicago Ill
UNITED STATES STEEL CORP 525 Wm Penn Pl Pittsburgh 30 Pa
Youngstown Sheet & Tube Co P O Box 900 Youngstown 1 Ohio

STEEL TUBING—See Tubing, Brass Copper & Steel

STEERING GEARS

FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
ROSS GEAR & TOOL CO Gemmer Mfg Co Div 6400 Mt Elliott Ave Detroit 11 Mich
SAGINAW STEERING GEAR DIV General Motors Corp 3900 Holland Rd Saginaw Mich

STEERING GEAR POWER SYSTEMS

BENDIX PRODUCTS DIV Bendix Corp 401 N Bendix Dr South Bend 20 Ind
Everhot Products Co 2001 W Carroll Ave Chicago 12 Ill (Repair kits only)
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
GARRISON MFG CO INC 4609 E Shelia St East Los Angeles 22 Cal
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
ROSS GEAR & TOOL CO INC Ross Div 800 Heath St Lafayette Ind
SAGINAW STEERING GEAR DIV General Motors Corp 3900 Holland Rd Saginaw Mich
Vickers Inc Div Sperry-Rand Corp 1400 Oakman Blvd Detroit 32 Mich

STEP PLATES

Alan Wood Steel Co Ivy Rock Rd Conshohocken Pa
ALUMINUM CO OF AMERICA 1501 Alcoa Bldg Pittsburgh 19 Pa
Bustin Steel Products Co Inc Dover N J
Jones & Laughlin Steel Corp 3 Gateway Center Pittsburgh 30 Pa
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
PROTO TOOLS COMPANY DIV Pendleton Tool Industries Inc 2209 Santa Fe Ave Los Angeles 54 Cal

STOCK RACKS—See Racks, Stock Storage
STOP LAMPS—See Lamps
STOP LIGHT SWITCHES—See Switches, Stop Light
STORAGE BINS—See Bins, Parts Storage
STRAIGHTENERS, AXLE & FRAME—See Alignment Equipment
STRAIGHTENERS, WHEEL—See Wheel Straighteners
STRIPPERS, PAINT—See Paint Removers
SUSPENSION UNITS—See Axle Suspension Units
SWEEPERS—See Floor Sweepers or Road Sweepers

SWITCHES

SWITCHES, DIRECTIONAL SIGNAL—See Directional Signals & Parts

SWITCHES, Headlight Dimmer

Cole-Hersee Co 20 Old Colony Ave Boston 27 Mass
DELCO REMY DIV General Motors Corp Anderson Ind
ELECTRIC AUTOLITE CO THE (PRESTOLITE) Toledo 1 Ohio
F & B MFG CO 4248 W Chicago Ave Chicago 51 Ill
Guaranteed Parts Co Inc Auburn Rd Seneca Falls N Y
HOLLEY CARBURETOR CO 11955 E Nine Mile Rd Warren Mich
K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio
Kem Mfg Co 20-21 Wagaraw Rd Fair Lawn N J
Niehoff & Co C E 4925 W Lawrence Ave Chicago 30 Ill
P & D MFG CO INC 19-02 Steinway St Long Island City 5 N Y
Preferred Electric & Wire Co Bush Terminal Bldg #8 Brooklyn 32 N Y
STANDARD MOTOR PRODUCTS INC 37-08 Northern Blvd Long Island City N Y
UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich
UNITED PARTS DIV Echlin Mfg Co 1250 W Van Buren St Chicago 7 Ill

SWITCHES, Heater

Cole-Hersee Co 20 Old Colony Ave Boston 27 Mass
DELCO REMY DIV General Motors Corp Anderson Ind
EVANS PRODUCTS CO Heating & Ventilating Div 13101 Eckles Rd Plymouth Mich
EVERHOT MFG CO 57 S 19th Ave Maywood Ill
Guaranteed Parts Co Inc Auburn Rd Seneca Falls N Y
Ideal Corp 435 Liberty Ave Brooklyn 7 N Y
K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio
Kem Mfg Co 20-21 Wagaraw Rd Fair Lawn N J
KYSOR HEATER CO 1100 W Wright St Cadillac Mich
Niehoff & Co C E 4925 W Lawrence Ave Chicago 30 Ill
Preferred Electric & Wire Co Bush Terminal Bldg #8 Brooklyn 32 N Y
STANDARD MOTORS PRODUCTS INC 37-08 Northern Blvd Long Island City N Y
UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich

SWITCHES, Ignition

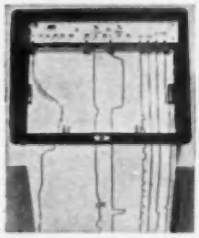
AUTOLITE DIV Ford Motor Co P O Box 2338 Dearborn Mich
Briggs & Stratton Corp 2711 N 13th St Milwaukee 1 Wis
Cole-Hersee Co 20 Old Colony Ave Boston 27 Mass
DELCO REMY DIV General Motors Corp Anderson Ind
Do-Ray Lamp Co Inc 1458 S Michigan Ave Chicago 5 Ill
ECHLIN MFG CO Echlin Rd at U S #1 Branford Conn

Would your driver spot the hazards here?

A driver in this situation could be headed for an accident unless he noted and allowed for the tell-tale signs of danger — the wet street that could mean a skid, the parked car with turned out wheels, the brake light that blinks off and warns that one car is about to dart out into the traffic flow.

Personal injury, property or cargo damage, vehicle downtime, all cut deeply into your profits and affect the morale of your drivers. The Ætna Drivotron system can give you a new insight into the attitudes, alertness, and perceptual habits of your drivers. It can build safety consciousness among them and can serve you in the areas of driver evaluation, training and re-training.

Here's how it works: The driver sits behind the wheel of the Drivotron simulator, which is fitted out with all standard vehicle controls. A 10-minute film, photographed from a moving vehicle, is projected on a wide angle screen directly in front of him. During his "drive" he faces a variety of potentially hazardous, completely realistic traffic situations. The action on the screen speeds up when he accelerates, slows down or stops when he brakes. By his actions, the driver controls the outcome of each situation, avoiding or becoming involved in an "accident".



A moving graph records all of the driver's actions . . . his rate of speed at every point, the angles of his turns, when and how hard he braked, whether he used his horn or directional signals when he should have, etc. Interpretive materials, prepared by specialists at Pennsylvania State University, make possible a detailed and accurate analysis of the driver's performance.

DEVELOPED TO MEET A NEED . . . An outgrowth of the Ætna Drivotrainer system which has been used successfully since 1952 in training high school student drivers, the Ætna Drivotron was developed on the basis of fleet interest in the Drivotrainer and tailored to the more specific needs of the commercial fleet field.

For further information on the Ætna Drivotron System write to:

INFORMATION AND EDUCATION DEPT.
ÆTNA CASUALTY AND SURETY COMPANY

Affiliated with Ætna Life Insurance Company
Standard Fire Insurance Company • Hartford 15, Connecticut

The Ætna Drivotron system is sponsored by the Ætna Casualty and Surety Company as a contribution to highway safety. Ætna Casualty has no financial interest in the sale of Drivotron equipment but supports the program through production of Drivotron films and instructional manuals.

Drivotron equipment is manufactured, sold and serviced by the Drive Division, Rockwell Manufacturing Company, Pittsburgh 8, Pennsylvania

SWITCHES, Ignition—continued

ELECTRIC AUTOLITE CO THE (PRESTO-LITE) Toledo 1 Ohio
F & B MFG CO 435 Liberty Ave Brooklyn 7 N Y
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Ideal Corp 435 Liberty Ave Brooklyn 7 N Y
Kem Mfg Co 20-21 Wagaraw Rd Fair Lawn N J
STANDARD MOTOR PRODUCTS INC 37-08 Northern Blvd Long Island City N Y
UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich

SWITCHES, Light

ARROW SAFETY DEVICE CO Holman St Mount Holly N J
AUTOLITE DIV Ford Motor Co P O Box 2338 Dearborn Mich
Cole-Hersee Co 20 Old Colony Ave Boston 27 Mass
DELCO REMY DIV General Motors Corp Anderson Ind
Do-Ray Lamp Co Inc 1458 S Michigan Ave Chicago 5 Ill
ELECTRIC AUTOLITE CO THE (PRESTO-LITE) Toledo 1 Ohio
F & B MFG CO 4248 W Chicago Ave Chicago 51 Ill
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Griffin Lamp Co Shelby Mass
Guaranteed Parts Co Inc Auburn Rd Seneca Falls N Y
Ideal Corp 435 Liberty Ave Brooklyn 7 N Y
K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio
Kem Mfg Co 20-21 Wagaraw Rd Fair Lawn N J
Niehoff & Co C E 4925 W Lawrence Ave Chicago 30 Ill
Preferred Electric & Wire Co Bush Terminal Bldg #8 Brooklyn 32 N Y
SIGNAL-STAT Corp 523-539 Kent Ave Brooklyn 11 N Y
STANDARD MOTOR PRODUCTS INC 37-08 Northern Blvd Long Island City N Y
UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich

SWITCHES, Starter

AUTOLITE DIV Ford Motor Co P O Box 2338 Dearborn Mich
Cole-Hersee Co 20 Old Colony Ave Boston 27 Mass
ECHLIN MFG CO Echlin Rd at U S #1 Branford Conn
DELCO REMY DIV General Motors Corp Anderson Ind
ELECTRIC AUTOLITE CO THE (PRESTO-LITE) Toledo 1 Ohio
F & B MFG CO 4248 W Chicago Ave Chicago 51 Ill
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
HOLLEY CARBURETOR CO 11955 E Nine Mile Rd Warren Mich
Ideal Corp 435 Liberty Ave Brooklyn 7 N Y
Kem Mfg Co 20-21 Wagaraw Rd Fair Lawn N J
LEECE-NEVILLE CO 1374 E 51st St Cleveland 3 Ohio
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Niehoff & Co C E 4925 W Lawrence Ave Chicago 30 Ill
P & D MFG CO INC 19-02 Steinway St Long Island City 5 N Y
Shurhit Products Inc 845 S Market St Waukegan Ill
STANDARD MOTOR PRODUCTS INC 37-08 Northern Blvd Long Island City N Y
UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich

SWITCHES, Stop Light

AUTOLITE DIV Ford Motor Co P O Box 2338 Dearborn Mich
BENDIX WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO 901 Cleveland Rd Elyria Ohio
Berg Mfg & Sales Co 1712-14 S Michigan Ave Chicago 16 Ill
BETTS MACHINE CO 1800 Pennsylvania Ave W Warren Pa
Cole-Hersee Co 20 Old Colony Ave Boston 27 Mass
DELCO REMY DIV General Motors Corp Anderson Ind
Do-Ray Lamp Co Inc 1458 S Michigan Ave Chicago 5 Ill
ECHLIN MFG CO Echlin Rd at U S #1 Branford Conn
EIS AUTOMOTIVE CORP N Main & High Sts Middletown Conn
ELECTRIC AUTOLITE CO THE (PRESTO-LITE) Toledo 1 Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Ideal Corp 435 Liberty Ave Brooklyn 7 N Y
K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio
Kem Mfg Co 20-21 Wagaraw Rd Fair Lawn N J
Lisle Corp 809 E Main St Clarinda Iowa
MIDLAND-ROSS CORP Owosso Div 490 S Chestnut St Owosso Mich
P & D MFG CO INC 19-02 Steinway St Long Island City 5 N Y
Sealco Air Brakes Inc 13530 Nelson City of Industry Cal
STANDARD MOTOR PRODUCTS INC 37-08 Northern Blvd Long Island City N Y
Transit Parts Company 35700 Vine St Willoughby Ohio
UNITED MOTORS SERVICE General Motors Bldg Detroit 2 Mich
Velvac Inc 3534 W Pierce St Milwaukee 15 Wis
WAGNER ELECTRIC CORP 6470 Plymouth Ave St Louis 33 Mo
WEATHERHEAD CO 300 E 131st St Cleveland 8 Ohio
YANKEE METAL PRODUCTS CORP 25 Grand St Norwalk Conn

SWITCHES, WARNING DEVICES—See Signals

TACHOGRAPHS

Argo Instruments Corp 613 W 46th St New York 35 N Y
ENGLER INSTRUMENT CO 250 Culver Ave Jersey City 5 N J
SERVICE RECORDER CO 1013F Rockwell Ave Cleveland 14 Ohio
WAGNER ELECTRIC CORP (Wagner-Sangamo) 6480 Plymouth Ave St Louis 33 Mo

TACHOMETERS, Engine Testing

Actuator Products Corp P O Box 247 40 Nashua St Woburn Mass
Allen Electric & Equipment Co 2101 N Pitcher St Kalamazoo 13F Mich
Auto Test Inc 600 S Michigan Ave Chicago 5 Ill
DuMont Laboratories Inc Allen B 750 Bloomfield Ave Clifton N J
Fox Valley Instrument Co Rte 4 Sheboygan Mich
HERBRAND DIV BINGHAM-HERBRAND CORP Lake & Stone Sts Fremont Ohio
Heyer Industries Inc 500 Cortland St Belleville 9 N J
Kal-Equip Co 411 Washington St Otsego Mich
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
King Electric Equipment Co 9123 Inman Ave Cleveland 5 Ohio
Niehoff & Co C E 4925 W Lawrence Ave Chicago 30 Ill
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Sun Electric Corp Harlem & Avondale Chicago 31 Ill
WEIDENHOFF CORP Hwy #18 Algona Iowa
WESTBERG MFG CO Box 239 144 S Coombs St Napa Cal

TACHOMETERS, Vehicle

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
Actuator Products Corp P O Box 247 40 Nashua St Woburn Mass
Argo Instruments Corp 613 W 46th St New York 35 N Y
ELECTRIC AUTOLITE CO THE (PRESTO-LITE) Toledo 1 Ohio
STEWART-WARNER CORP Instrument Div 1840 Diversey Pkwy Chicago 14 Ill
Sun Electric Corp Harlem & Avondale Chicago 31 Ill
Veeder-Root Inc 20 Sargeant St Hartford 2 Conn

TAIL LAMPS—See Lamps
TAIL PIPES—See Exhaust & Tail Pipes

TAILGATES, Elevating

Anthony Co Streator Ill
Cemco Industries Inc Galion Ohio
Challenge-Cook Bros Inc 3334 San Fernando Rd Los Angeles 65 Cal
Galion Allsteel Body Co 605 S Market St Galion Ohio
Gar Wood Industries Inc Wayne Mich
Hercules Steel Products Co 500 Sherman St Galion Ohio
Maday Body & Equipment Corp 38 "A" St Buffalo 11 N Y
Marion Metal Products Co Otis & Cheyney Ave Marion Ohio
Midwest Body & Mfg Div Electrographic Corp S Central St Paris Ill

Perfection Steel Body Co S East St Galion Ohio
Stratton Equipment Co 2030 E 105th St Cleveland 6 Ohio
Tec Div Heil Co 1285 W 70th St Cleveland 2 Ohio
WATSON CO H S 1316 67th St Emeryville Cal
YOUNG SPRING & WIRE CORP Equipment Div 500 Lehmann Ave Bowling Green Ohio

TANDEM BELT DRIVE—See Axle Belt Drive Adaptors

TANKS

TANKS, CLEANING—See Cleaning Tanks

TANKS, Fuel (Vehicle Mounted)

American Safety Tank Co 3937 Main St Kansas City 11 Mo
Apex Reinforced Plastics Div White Sewing Machine Corp 100 Elm St at Washington Cleveland 13 Ohio
Briskin Mfg Co Ogden at Kildare Chicago Ill
FONTAINE TRUCK EQUIPMENT CO INC 1232 N 37th Place Birmingham 1 Ala
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Industrial Steel Tank & Body Works Inc 2533 Fourth St Berkeley 10 Cal
Maday Body & Equipment Corp 38 "A" St Buffalo 11 N Y
Prior Products Inc 4828 Racell St Dallas Tex
SNYDER TANK CORP P O Box 14 Buffalo 5 N Y

TANKS, TIRE & TUBE TESTING—See Tire Testing Tanks

TANK GAGES, Liquid Level

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
ELECTRIC AUTOLITE CO THE (PRESTOLITE) Toledo 1 Ohio
STEWART-WARNER CORP Instrument Div 1840 Diversey Pkwy Chicago 14 Ill

TANKS, Trailer & Truck Body

ALLEGHENY LUDLUM STEEL CORP Oliver Bldg Pittsburgh 22 Pa
American Body & Equipment Co 2000 Guinotte Ave Kansas City 20 Mo
American Car & Foundry Div ACF Industries Inc 750 Third Ave New York 17 N Y
Andrews Industries Inc 7901 Alabama Ave St Louis 11 Mo
BAUGHMAN MFG CO Shipman Rd Jerseyville Ill
BEAIRD CO INC J B THE Sub of American Machinery & Foundry Co Shreveport La
Butler Mfg Co Buildings Div 7400 E 13th St Kansas City 26 Mo
Columbian Steel Tank Co 1409-1625 W 12th St Kansas City 7 Mo
Delta Tank Mfg Co P O Box 1469 Baton Rouge La
Downingtown Iron Works Inc Wallace Ave Downingtown Pa
FRUEHAUF TRAILER CO 10940 Harper Ave Detroit 32 Mich
Gar Wood Industries Inc Wayne Mich
Great Dane Trailers Inc P O Box 1159 Savannah Ga
Heil Co The 3042 W Montana Milwaukee Wis
Highway Trailer Industries Inc 250 Park Ave New York N Y
Holan Corp 4100 W 150th St Cleveland 35 Ohio
Joplin Trailer Inc 730 E Fifth St Joplin Mo
Maday Body & Equipment Corp 38-48 "A" St Buffalo 11 N Y
Master Tank & Welding Co 1612 Singleton Blvd Dallas 2 Tex
Mississippi Tank Co Inc P O Box 1391 Hattiesburg Miss
Portersville Stainless Equipment Corp Portersville Pa
Pressed Steel Tank Co 1445 S 66th St Milwaukee 14 Wis
Quaker City Iron Works Aramingo & Ontario Sts Philadelphia 34 Pa
SNYDER TANK CORP P O Box 14 Buffalo 5 N Y
Stainless Steel Products Co 1000 Berry Ave St Paul 14 Minn
Standard Carriage Works Inc 4120 Bandini Blvd Los Angeles 23 Cal
Standard Steel Works Inc 16th & Howell Sts North Kansas City 16 Mo
Tec Div Heil Co 1285 W 70th St Cleveland 2 Ohio
TRAILMOBILE INC 31st & Robertson Ave Cincinnati 9 Ohio
Wichita Body & Equipment Co 1926 N Broadway Wichita 12 Kansas

TAP & DIES—See Thread Cutters
TAPE, MASKING—See Masking Tape
TAPPETS, VALVE—See Valve Tappets

TARPAULINS

Acme Backing Corp Canal & Ludlow Sts Stamford Conn
Bemis Bros Bag Co 111 N Fourth St Box 79 St Louis 2 Mo
Du Pont de Nemours & Co E I Fabric Div Fairchild Conn
East Akron Tarpaulin & Awning Co 1048 Bank St Akron 5 Ohio
Haartz-Mason Inc 270 Pleasant St Watertown Mass
REEVES VULCAN 1071 Ave of the Americas New York 18 N Y
UNITED STATES RUBBER CO Rockefeller Center 1230 Ave of the Americas New York 20 N Y
WELLINGTON SEARS CO 111 W 40th St New York 18 N Y

TARPAULIN TIE-DOWNS

COOPER TIRE AND RUBBER CO Lima & Western Aves Findlay Ohio
East Akron Tarpaulin & Awning Co 1048 Bank St Akron 5 Ohio
Rubberhide Co Inc Box 631-C Trenton N J

TELL-TALE LAMPS—See Lamps, Tell-Tale
TEMPERATURE, WATER GAGE—See Water Temperature Gage
TERMINALS, WIRE—See Wire Terminals

TESTERS

TESTERS, BATTERY—See Battery Testers or Hydrometers
TESTERS, BEARING WEAR—See Bearing Wear Testers
TESTERS, BRAKE—See Brake Testing Machines
TESTERS, COOLING SYSTEM LEAK—See Radiator Leak Detectors
TESTERS, DIESEL EQUIPMENT—See Diesel Equipment Testers
TESTERS, DRIVER—See Driver Testing Equipment

TESTERS, Electrical

Allen Electric & Equipment Co 2101 N Pitcher St Kalamazoo 13F Mich
Arrow Armatures Co 15 Fordham Rd Boston 34 Mass
Auto Test Inc 600 S Michigan Ave Chicago 5 Ill
Du Mont Laboratories Inc Allen B Div Fairchild Camera & Instrument Corp 750 Bloomfield Ave Clifton N J
Fox Valley Instrument Co Rte 4 Sheboygan Mich
Heyer Industries Inc 500 Cortland St Belleville 9 N J
Kal-Equip Co 411 Washington St Otsego Mich
King Electric Equipment Co 9123 Inman Ave Cleveland 5 Ohio
Niehoff & Co C E 4925 Lawrence Ave Chicago Ill
Shurhit Products Inc 845 S Market St Waukegan Ill
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Sun Electric Co Harlem & Avondale Sts Chicago 31 Ill
TRIPLE-A SPECIALTY CO 2835 N Western Ave Chicago 18 Ill
WEIDENHOFF CORP Hwy #18 Algona Iowa
WESTBERG MFG CO Box 239 Napa Cal
WILLARD STORAGE BATTERY DIV Electric Storage Battery Co P O Box 6266 Cleveland 1 Ohio
Wilson Inc K R Arcade N Y

TESTERS, ENGINE—See Analyzers or Oscilloscopes
TESTERS, FUEL GAGE—See Fuel Gage Testers

TESTERS, Fuel Mileage

Bennett-Feragen 1408 Jerome St Niles Mich
ENGLER INSTRUMENT CO 250 Culver Ave Jersey City 5 N J
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
King Electric Equipment Co 9123 Inman Ave Cleveland 5 Ohio

TESTERS, FUEL PUMP—See Fuel Pump Testers

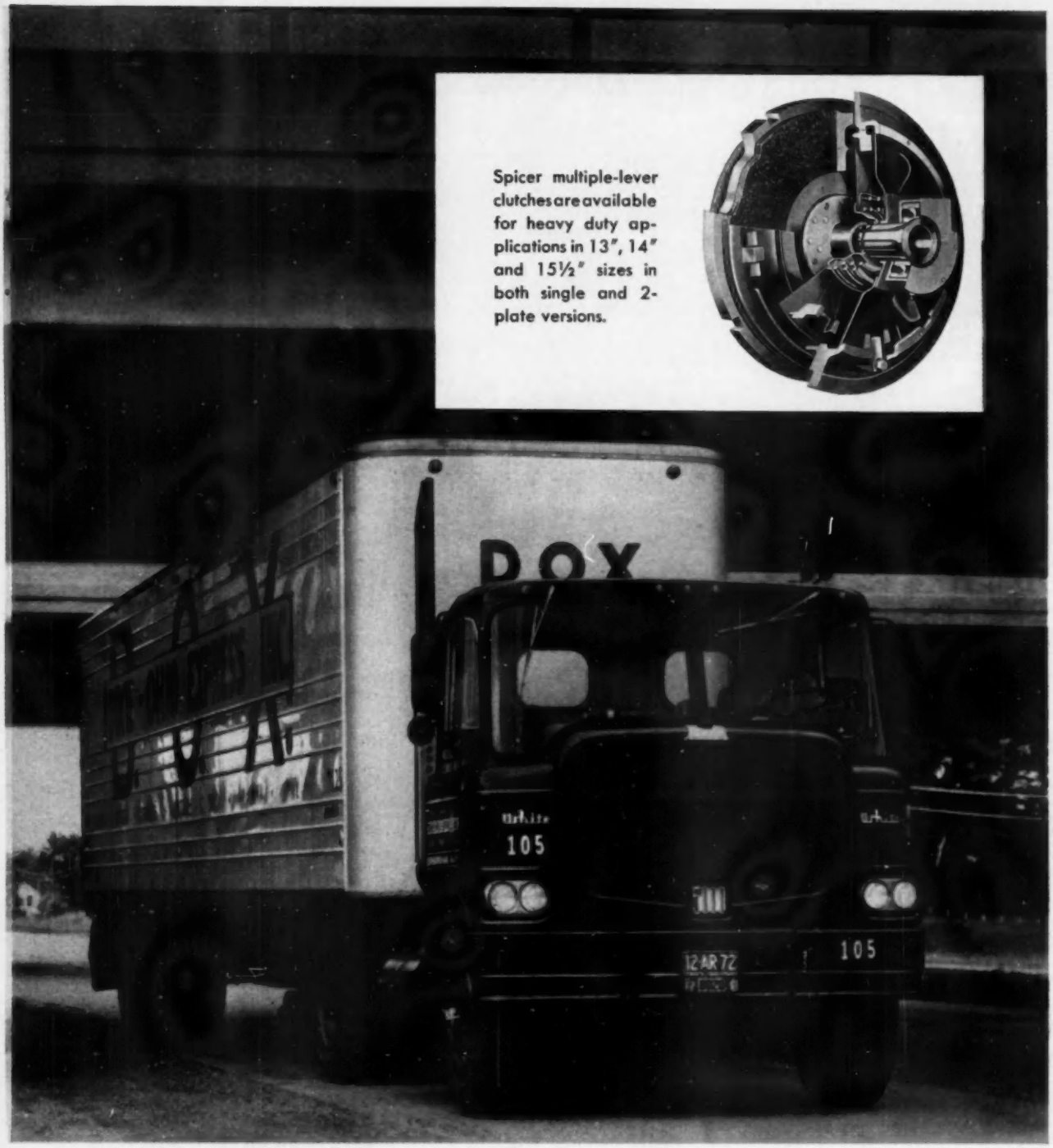
DIXIE-OHIO EXPRESS DEPENDS ON SPICER CLUTCHES FROM THE GREAT LAKES TO THE DEEP SOUTH

Clarence A. Kelley has this to say of his company's standardization on Spicer clutches. "Our maintenance people tell me we get excellent service, simplify our inventory and minimize any problem of parts availability. That's good enough for me, because dependability and economy come first, last and always in this business.

"We operate more than 300 tractor and truck units. Annually DOX piles up millions of miles. We give every unit plenty of work to do and Spicer clutches have had to be top flight to get our blanket approval."

For complete information on Spicer clutches, transmissions, universal joints and other truck components, write Dana Corporation, Toledo 1, Ohio.

Clarence A. Kelley, president of Dixie-Ohio Express, Inc., is the current president of the American Trucking Associations, Inc. Holder of a law degree, Mr. Kelley has become widely known as an authority on transportation law. He is a very active member of the I.C.C. Practitioners Association and the National Defense Transportation Assoc.



This White tractor, like 106 other Whites operated in the Dixie-Ohio fleet, is equipped with a Spicer 14" 2-plate clutch.

SPECIFY SPICER!

DANA Spicer

DANA CORPORATION

See Spicer Specs page 157

Spicer products available in Canada through Hayes Steel Products Ltd., Merritton, Ontario

Toledo 1, Ohio

More details? Circle 184 on reply card inside back cover

TESTERS, Headlight

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
Bean Div John FMC Corp 1305 S Cedar St Lansing 4 Mich
BEAR MFG CO 2016 Fifth Ave Rock Island Ill
Heyer Industries Inc 500 Cortland St Belleville 9 N J
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
Manbee Equipment Div Bear Mfg Co P O Box 607 Rock Island Ill
Weaver Mfg Div Dura Corp 2177 S Ninth St Springfield Ill

TESTERS, IGNITION CONDENSER—See Ignition Condenser Testers
TESTERS, IGNITION DISTRIBUTOR—See Ignition Distributor Testers
TESTERS, SPARK PLUG—See Spark Plug Testers

TESTERS, Valve & Clutch Spring

Accurate Parts Mfg Co 12435 Euclid Ave Cleveland 6 Ohio
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
Rinck-McIlwaine Inc 16 Hudson St New York 13 N Y
STURTEVANT CO P A Addison Ill

THERMOMETERS, Recording & Indicating

BACHARACH INDUSTRIAL INSTRUMENT CO 200 N Braddock Ave Pittsburgh 8 Pa
Barber-Colman Co 1300 Rock St Rockford Ill
ELECTRIC AUTOLITE CO THE (PRESTOLITE) Toledo 1 Ohio
Fisher & Porter Co 700 Warminster Rd Warminster Pa
MANNING MAXWELL & MOORE INC Consolidated Ashcraft Hancock Div Stratford Conn
Partlow Corp The 244 Campion Rd New Hartford N Y
Precision Thermometer & Instrument Co 1434 Brandywine St Philadelphia 30 Pa
Ryan Recording Thermometer Co 847 Poplar Pl Seattle 44 Wash
Taylor Instrument Companies 95 Ames St Rochester 1 N Y

THERMOSTATS, Engine

Dole Valve Co 6201 Oakton St Morton Grove Ill
Eaton Mfg Co Stamping Div 17877 St Claire Ave Cleveland 10 Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
HARRISON RADIATOR DIV General Motors Corp Washburn & Walnut Sts Lockport N Y
KYSOR HEATER CO (Shutterstats) 1100 W Wright St Cadillac Mich
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Standard-Thomson Co 152 Grove St Waltham 54 Mass
Vapor Heating Corp 80 E Jackson Blvd Chicago 4 Ill

THERMOSTAT TESTERS

Dole Valve Co 6201 Oakton St Morton Grove Ill
Eaton Mfg Co Stamping Div 17877 St Claire Ave Cleveland 10 Ohio
K-D MFG CO 526 N Plum St Lancaster Pa
Kleer-Flo Co Div Practical Mfg Co 250 W 57th St New York N Y

THIRD AXLES—See Axle Units, Third

THREAD CUTTERS

OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
PROTO TOOLS CO Div Pendleton Tool Industries Inc 2209 Santa Fe Ave Los Angeles 54 Cal
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Standard Tool Co 3950 Chester Ave Cleveland 14 Ohio
Threadwell Tap & Die Co Greenfield Mass

THREADED INSERTS

HELI-COIL CORP 4511 Shelter Rock Lane Danbury Conn
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
SOUTHCO DIV South Chester Corp 228 Industrial Hwy Lester Pa

TIE-DOWNS, Cargo

Aeroquip Corp General Logistics Div 2929 Floyd St Burbank Cal
CAMPBELL CHAIN CO Norway & Elm Sts York Pa
Cargo Stabilizing Devices 8242 McCormick Blvd Skokie Ill
East Akron Tarpaulin & Awning Co 1048 Bank St Akron 5 Ohio
FIRESTONE TIRE & RUBBER CO 1200 Firestone Pkwy Akron 17 Ohio
UNITED STATES RUBBER CO Rockefeller Center 1230 Ave of the Americas New York 20 N Y

TIE-DOWNS, TARPAULINS—See Tarpaulin Tie-Downs

TIMING CHAINS

Chain Belt Co 4733 W Greenfield Ave Milwaukee 1 Wis
BORG-WARNER SERVICE PARTS CO (Morse Chain) 6 N Michigan Ave Chicago 2 Ill
Diamond Chain Co 402 Kentucky Ave Indianapolis 7 Ind
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Hoof Products Co 6543 S Laramie Ave Chicago 38 Ill
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Link-Belt Co 220 S Belmont Ave Indianapolis 6 Ind
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Perfection Gear Co 152nd St & Vincennes Ave Harvey Ill
Republic Gear Co 20200 E Nine Mile Rd St Clair Shores Mich
UNITED STATES RUBBER CO Rockefeller Center 1230 Ave of the Americas New York 20 N Y

TIMING GEARS

BORG-WARNER SERVICE PARTS CO 6 N Michigan Ave Chicago 2 Ill
Continental Diamond Fibre Co Newark 2 Del
Elgin Machine Works Inc 412 N State St Elgin Ill
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Hoof Products Co 6543 S Laramie Ave Chicago 38 Ill
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Perfection Gear Co 152nd St & Vincennes Ave Harvey Ill
Republic Gear Co 20200 E Nine Mile Rd St Clair Shores Mich

TIMING LIGHTS

Accurate Products Inc 135 N Spring St Indianapolis Ind
Allen Electric & Equipment Co 2101 N Pitcher St Kalamazoo 13F Mich
Auto Test Inc 600 S Michigan Ave Chicago 5 Ill
Cornwell Quality Tools Co 200 N Cleveland Ave Magadore Ohio
Du Mont Laboratories Inc Allen B Div Fairchild Camera & Instrument Corp 750 Bloomfield Ave Clifton N J
Fox Valley Instrument Co Rte #4 Sheboygan Mich
Hanson Co Harvey E Lake Blvd & Commercial Sts Paw Paw Mich
HERBRAND DIV Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio
Heyer Industries Inc 500 Cortland St Belleville 9 N J
Kal-Equip Co 411 Washington St Otsego Mich
King Electric Equipment Co 9123 Inman Ave Cleveland 5 Ohio
Niehoff & Co C E 4925 W Lawrence Ave Chicago 30 Ill
PROTO TOOL CO Div Pendleton Tool Industries Inc 2209 Santa Fe Los Angeles 54 Cal
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Sun Electric Corp Harlem & Avondale Chicago 31 Ill
Tungsten Mfg Co 1923 E 79th St Chicago 49 Ill
WEIDENHOFF CORP Hwy #18 Algona Iowa

TIRES

TIRES & TUBES

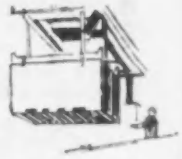
ARMSTRONG RUBBER CO 475 Elm St West Haven 16 Conn

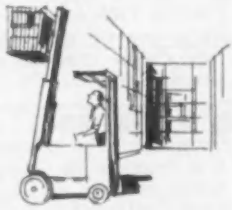
More details? Circle 185 on reply card inside back cover——→

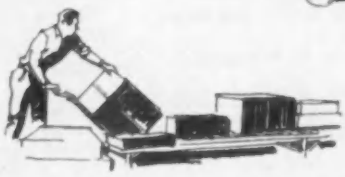
YES! EBERHARD *Fits into the*

COMPOSITE CONTAINERIZATION AND MILITARY PICTURE

With a complete line of time tested locks, hinges, clamps, latches, etc.







"Containerization" . . . a magic word today in the packing, shipping, trucking and military realms. Its varied facets with individual manufacturers' versions present an intriguing, complex picture.

Regardless of the trend tempo, containers require latches, hinges, locks and related hardware items. Ⓔ Hardware enjoys universal acceptance in the transportation world as a complete quality line with unequalled serviceability.

Engineers at Eberhard coordinate their efforts with those of customers' designers to produce hardware that will meet the stringent requirements of today's new developments.

Consult Eberhard on your specific hardware problems without obligation.

EBERHARD MANUFACTURING COMPANY

EVARTS AVE. CLEVELAND 4, OHIO

Division of The Eastern Company

The most complete line of truck body hardware available

TIRES & TUBES—continued

Conti Rubber Products Inc 15 William St New York 5 N Y
COOPER TIRE & RUBBER CO Lima & Western Aves Findlay Ohio
Dayton Tire & Rubber Co The 2342 W Riverview Ave Dayton 1 Ohio
Dunlop Tire & Rubber Corp Sheridan Dr and River Rd Buffalo 5 N Y
Durkee-Atwood Co 215 Seventh St N E Minneapolis 3 Minn
ENJAY CHEMICAL CO Div (Butyl inner tubes) Humble Oil & Refining Co 15 West 51st St New York 19 N Y
FIRESTONE TIRE & RUBBER CO 1200 Firestone Pkwy Akron 17 Ohio
Fisk Tire Co Div U S Rubber Co 1230 Ave of the Americas New York 20 N Y
GATES RUBBER CO 999 S Broadway Denver 17 Colo
General Tire & Rubber Co 1708 Englewood Ave Akron 9 Ohio
GOODRICH TIRE CO B F Div Goodrich Co B F 500 S Main St Akron 18 Ohio
GOODYEAR TIRE & RUBBER CO 1144 E Market St Akron 16 Ohio
KELLEY-SPRINGFIELD TIRE CO P O Box 300 Cumberland Md
LAHER SPRING & ELECTRIC CAR CORP 2615 Magnolia Sts Oakland 7 Calif
LEE RUBBER & TIRE CORP Conshohocken Pa
Mansfield Tire & Rubber Co 515 Newman St Mansfield Ohio
MOHAWK RUBBER CO 1235 Second Ave Akron 5 Ohio
Montgomery-Ward & Co Chicago Ave & Larrabee Chicago Ill
Pennsylvania Tire Co P O Box 337 Mansfield Ohio
SEARS ROEBUCK & CO Allstate Truck Tire Div Arthington & Homan Aves Chicago Ill
Seiberling Rubber Co 345 Fifteenth St N W Akron Ohio
Tire Mart Inc National Fleet Service The 404 Fifth Ave New York 16 N Y
UNITED STATES RUBBER CO Rockefeller Center 1230 Ave of the Americas New York 20 N Y

TIRE BRANDING IRONS

B & W Products Inc (Patch type) Shelbyville Ind
EVERHOT MFG CO 57 S 19th Ave Maywood Ill
Keel & Co 65 W Penn St Philadelphia 44 Pa
Vulcan Electric Co 88 Holten St Danvers Mass

TIRE CARRIERS

(See also Trailers, Commercial)

Binkley Co Warrenton Mo
Heil Co The 3042 W Montana Milwaukee Wis
Industrial Steel Tank & Body Works Inc 2533 Fourth St Berkeley 10 Cal
Nash Bros Co 2125 Dewey Ave Evanston Ill

TIRE CHAINS

AMERICAN CHAIN DIV (Weed) American Chain & Cable Co 454 E Princess St York Pa
CAMPBELL CHAIN CO Norway & Elm Sts York Pa
Columbus McKinnon Chain Corp Tonawanda N Y
Hodell Chain Co Div National Screw & Mfg Co 3924 Cooper Ave Cleveland 3 Ohio
McKay Co 1005 Liberty Ave Pittsburgh 2 Pa
Peerless Chain Co Front & Walnut Sts Winona Minn
Russell Mfg Co E Main St Middletown Conn
Taylor Chain Co S G P O Box 509-C Hammond Ind
Western Chain Co 1807 Belmont Ave Chicago 13 Ill

TIRE CHAIN ADJUSTERS

AMERICAN CHAIN DIV (Weed) American Chain & Cable Co 454 E Princess St York Pa
CAMPBELL CHAIN CO Norway & Elm Sts York Pa
GATES RUBBER CO 999 S Broadway Denver 17 Colo
Hodell Chain Co Div National Screw & Mfg Co 3924 Cooper Ave Cleveland 3 Ohio
LEE RUBBER & TIRE CORP Conshohocken Pa
McKay Co 1005 Liberty Ave Pittsburgh 2 Pa
Peerless Chain Co Front & Walnut Sts Winona Minn
UNITED STATES RUBBER CO Rockefeller Center 1230 Ave of the Americas New York 20 N Y
Western Chain Co 1807 Belmont Ave Chicago 13 Ill
Wickwire Spencer Steel Div Colorado Fuel & Iron Co 575 Madison Ave New York 22 N Y

TIRE CHAIN REPAIR LINKS

AMERICAN CHAIN DIV (Weed) American Chain & Cable Co 454 E Princess St York Pa
CAMPBELL CHAIN CO Norway & Elm Sts York Pa
Hodell Chain Co Div National Screw & Mfg Co 3924 Cooper Ave Cleveland 3 Ohio
McKay Co 1005 Liberty Ave Pittsburgh 2 Pa
Peerless Chain Co Front & Walnut Sts Winona Minn
Rawhide Products Co Michigan Ave Kenilworth N J
Taylor Chain Co S G P O Box 509-C Hammond Ind
Western Chain Co 1807 Belmont Ave Chicago Ill
Wickwire Spencer Steel Div Colorado Fuel & Iron Co 575 Madison Ave New York 22 N Y

TIRE CHAIN REPAIR TOOLS

AMERICAN CHAIN DIV (Weed) American Chain & Cable Co 454 E Princess St York Pa
CAMPBELL CHAIN CO Norway & Elm St York Pa
Columbus McKinnon Chain Corp Tonawanda N Y
Hodell Chain Co Div National Screw & Mfg Co 3924 Cooper Ave Cleveland 3 Ohio
McKay Div Douglass Motors Inc 1234 N 62nd St Milwaukee 13 Wis
P-F Automotive Div H K Porter Co 74 Foley St Somerville 43 Mass

TIRE CORD

American Enka Corp Enka N C
Bekaert Steel Wire Corp 655 Madison Ave New York 21 N Y
CHEMSTRAND CORP 350 Fifth Ave New York 1 N Y
DU PONT DE NEMOURS & CO E I Textile Fibers Dept Wilmington 98 Del
General Tire & Rubber Co Englewood & Holmes Aves Akron 9 Ohio
FIRESTONE TIRE & RUBBER CO 1200 Firestone Pkwy Akron 17 Ohio
Industrial Rayon Corp 660 Union Commerce Bldg Cleveland 1 Ohio
LEE RUBBER & TIRE CORP Conshohocken Pa
Seiberling Rubber Co 345 Fifteenth St N W Akron 9 Ohio
TYREX INC Empire State Bldg New York 1 N Y
UNITED STATES RUBBER CO Rockefeller Center 1230 Ave of the Americas New York 20 N Y

TIRE DEMOUNTERS, Powered

Big-Four Industries Inc Maineville (Foster) Ohio
BISHMAN MANUFACTURING CO Rte 2 Osseo 26 Minn
BRANICK MFG CO P O Box 1937 Fargo N D
Coats Co 3001 Fifth Ave S Fort Dodge Iowa
EVERHOT MFG CO 57 S 19th Ave Maywood Ill
May Bros Mfg Co Inc 21300 Eureka Rd Taylor Mich
Speedway Machine & Tool Co 1421 Barnsdale Rd LaGrange Park Ill

TIRE INFLATORS

Balcrank Inc Disney St nr Marburg Cincinnati 9 Ohio
BENNETT PUMP DIV John Wood Co Broadway & Wood Sts Muskegon Mich
EVERHOT MFG CO 57 S 19th Ave Maywood Ill
Gilbert & Barker Mfg Co Cold Spring Ave West Springfield Mass
Imperial Brass Mfg Co 6300 W Howard St Chicago 48 Ill
SCHRADER'S SON A DIV Scovill Mfg Co 470 Vanderbilt Ave Brooklyn 38 N Y

TIRE INFLATING GUARDS

Arsco Mfg & Sales Corp 451-10th Ave New York 18 N Y
BRANICK MFG CO P O Box 1937 Fargo N D
Kennedy Service Tools Co 788 Evans Ave Akron 5 Ohio

TIRE LUBRICANTS

American Grease Stick Co 2651 Hoyt St Muskegon Mich
American Sand-Banum Co 1 N Merrick Ave Merrick N Y
BISHMAN MFG CO Rte 2 Osseo 26 Minn
Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn
Hollingshead Corp R M 840 Cooper St Camden 2 N J
MOHAWK RUBBER CO 1235 Second Ave Akron 5 Ohio
Norimrust Corp 228 W 65th St New York 23 N Y
Permatex Co 200 Broadway Huntington Sta New York N Y
Rawhide Products Co Michigan Ave Kenilworth N J
Rema Tool Inc 2 Park Ave New York 16 N Y
Taylor Chain Co S G P O Box-C Hammond Ind
UNION CARBIDE CONSUMER PRODUCTS CO DIV Union Carbide Corp 270 Park Ave New York 17 N Y

TIRE PRESSURE GAGES

BENNETT PUMP DIV John Wood Co Broadway & Wood Sts Muskegon Mich
Big-Four Industries Inc Maineville (Foster) Ohio
DILL MFG CO 700 E 82nd St Cleveland 3 Ohio
Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn
Rema Tool Inc 2 Park Ave New York 16 N Y
SCHRADER'S SON A DIV Scovill Mfg Co 470 Vanderbilt Ave Brooklyn 28 N Y
Seiberling Rubber Co 345 Fifteenth St N W Akron Ohio

TIRE RECAPPING EQUIPMENT

BACON AMERICAN CORP 718 S Elliott St Muncie Ind
Bandag Inc 1056 Hershey Ave Muscatine Iowa
BRANICK MFG CO P O Box 1937 Fargo N D
CHICAGO PNEUMATIC TOOL CO 8 E 44th St New York 17 N Y
General Tire & Rubber Co Englewood & Holmes Ave Akron 9 Ohio
Heintz Co James C 3738 W 143rd St Cleveland 11 Ohio
Laitner Brush Co 2000 Brooklyn Ave Detroit 26 Mich
MOHAWK RUBBER CO 1235 Second Ave Akron 5 Ohio
SALSBURY CORP 1161 E Florence Ave Los Angeles 1 Cal
Seiberling Rubber Co 345 Fifteenth St N W Akron 9 Ohio
Skil Corp 5033 Elston Ave Chicago 30 Ill
Thor Power Tool Co 175 N State St Aurora Ill
UNITED STATES RUBBER CO Rockefeller Center 1230 Ave of the Americas New York 20 N Y

TIRE RECAPPING SERVICE

Bandag Inc 1056 Hershey Ave Muscatina Iowa
FIRESTONE TIRE & RUBBER CO 1200 Firestone Pkwy Akron 17 Ohio
General Tire & Rubber Co 1708 Englewood Ave Akron 9 Ohio
GOODYEAR TIRE & RUBBER CO 1144 E Market St Akron 16 Ohio
Hawkinson Co Winter St Minneapolis Minn
LEE RUBBER & TIRE CORP Conshohocken Pa
MOHAWK RUBBER CO 1235 Second Ave Akron 17 Ohio
Penetred Corp 104 W Arnold St Marshfield Wis
Seiberling Rubber Co 345 Fifteenth St N W Akron 9 Ohio

TIRE REGROOVERS

Bean Division John FMC Corp 1305 S Cedar St Lansing 4 Mich
Big-Four Industries Inc Maineville (Foster) Ohio
HONEYCUTT TOOL CO 315 Austin St Houston 2 Texas
Rema Tool Inc 2 Park Ave New York 16 N Y

TIRE REPAIR COMPOUNDS

American Grease Stick Co 2651 Hoyt St Muskegon Mich
Bowes "Seal Fast" Corp 5902 E 34th St Indianapolis 18 Ind
DILL MFG CO 700 E 82nd St Cleveland 2 Ohio
Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn
FIRESTONE TIRE & RUBBER CO 1200 Firestone Pkwy Akron 17 Ohio
GATES RUBBER CO 999 S Broadway Denver 17 Colo
General Tire & Rubber Co Industrial Products Div Wabash Ind
Hollingshead Corp R M 840 Cooper St Camden 2 N J
Instant Seal Corp 38th & Powelton Sts Philadelphia 4 Pa
KEN-TOOL MFG CO 768 E North St Akron 5 Ohio
LEE RUBBER & TIRE CORP Conshohocken Pa
Patch Rubber Co 884 W Waterloo Rd Akron 9, Ohio

REMEMBER: Vehicle makers offer parts and components for their own vehicles. Generally it is not possible to list them under all the product headings involved. Also many makers have a line of reconditioned (by qualified local rebuilders) parts and components, and some supply parts and components for other makers' vehicles. Vehicle makers who have a separately named division for handling parts and components are listed under the heading "Replacement Parts". Otherwise the address is as shown under the appropriate vehicle heading. For example, "Trucks" or "Trailers".

Rema Tool Inc 2 Park Ave New York 16 N Y
SCHRADER'S SON A DIV Scovill Mfg Co 470 Vanderbilt Ave Brooklyn 38 N Y
UNITED STATES RUBBER CO Rockefeller Center 1230 Ave of the Americas New York 20 N Y

TIRE SERVICE EQUIPMENT

(See also Tire Tools, Hand)

ALBERTSON & CO INC (Sioux Tools) 2801 Floyd Blvd Sioux City 2 Iowa
Automotive Equipment Mfg Co 11000 S Alameda St Lynwood Cal
Big-Four Industries Inc Maineville (Foster) Ohio
BISHMAN MFG CO Rte #2 Osseo 26 Minn
BRANICK MFG CO P O Box 1937 Fargo N D
CHICAGO PNEUMATIC TOOL CO 8 E 44th St New York 17 N Y
Coats Co 3001 Fifth Ave S Fort Dodge Iowa
DILL MFG CO 700 E 82nd St Cleveland 3 Ohio
EVERHOT MFG CO 57 S 19th Ave Maywood Ill
K-D MFG CO 526 Plum St Lancaster Pa
KEN-TOOL MFG CO 768 E North St Akron 5 Ohio
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
May Bros Mfg Co Inc 21300 Eureka Rd Taylor Mich
Monarch Mfg Co 1218 Santa Fe Ave Berkeley Cal
Rema Tool Inc 2 Park Ave New York 16 N Y
SCHRADER'S SON A Div Scovill Mfg Co 470 Vanderbilt Ave Brooklyn 38 N Y
Skil Corp 5033 Elston Ave Chicago 30 Ill
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Speedway Machine & Tool Co 1802 N Luett St Indianapolis Ind
Stow Mfg Co 443 State St Binghamton N Y

TIRE TESTING TANKS

Balcrank Inc Disney St nr Marburg Cincinnati 9 Ohio
Big-Four Industries Inc Maineville (Foster) Ohio
BISHMAN MFG CO Rte 2 Osseo 26 Minn
Coats Co 3001 Fifth Ave S Fort Dodge Iowa

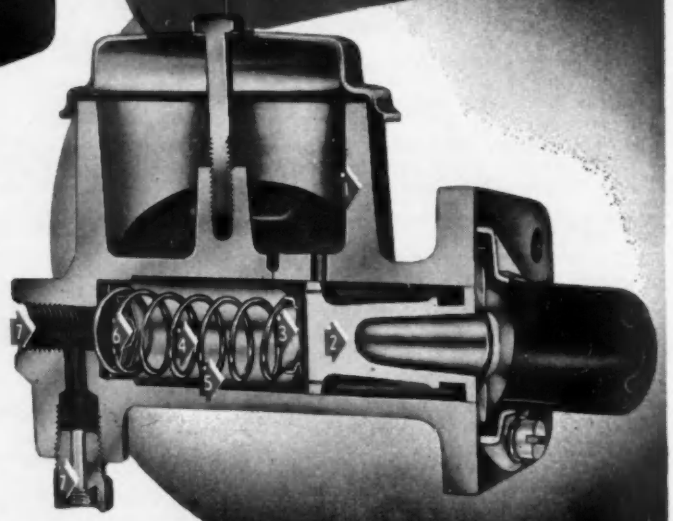
TIRE TOOLS, Hand

(See also Tire Service Equipment)

Bean Division John FMC Corp 1305 S Cedar St Lansing 4 Mich
BEAR MFG CO 2016 Fifth Ave Rock Island Ill
Big-Four Industries Inc Maineville (Foster) Ohio
BISHMAN MFG CO Rte #2 Osseo 26 Minn

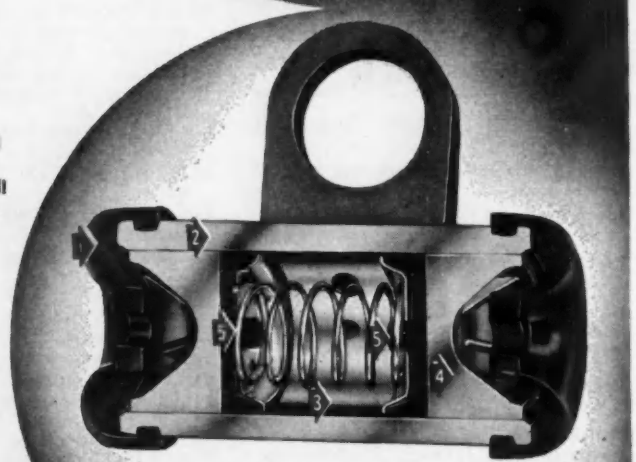
EIS MASTER and WHEEL CYLINDERS

mighty strong on built-in completely-inspected stop-qualities



MASTER CYLINDERS

1. ***CASTINGS:*** Fine grain, semi-steel. Many are shell-moulded . . . all 100% pressure-tested!
2. ***PISTONS:*** Precision-machined and ground. Fitted with EIS improved, ribbed, non-leak Secondary Cup!
3. ***MAIN CUP:*** MADE OF HEAT-RESISTANT COMPOUND. Designed with a razor-sharp sealing edge, moulded with tapered grooves to permit proper passage of fluid in the backstroke operation. Moulded-in brass ring protects cup from extruding into piston by-pass holes!
4. ***SPRING:*** Formed of top-quality music wire. Engineered to hold proper residual pressures to insure return of main cup and piston!
5. ***BORE:*** Bearingized and finished to close-precision-tolerances for proper seal and lubrication!
6. ***CHECK VALVE:*** Precision steel stampings assembled with high grade rubber flapper . . . 100% pressure-tested. Only the latest types are used!
7. ***OUTLET PORTS:*** All are lead screw tapped to assure full, precision threads, leakproof construction and to prevent cross-threading!



WHEEL CYLINDERS

1. ***BOOTS:*** Designed to prevent dirt from entering the cylinder and interference with piston action and cup seal!
2. ***CASTING:*** Moulded of fine grain semi-steel; machined to accurate tolerances. Many are shell-moulded!
3. ***BORE:*** Accurately finished to produce a correct hydraulic seal and to allow enough lubrication for longer cup life!
4. ***PISTONS:*** Precision-machined and ground. HEAT-TREATED for hardness to increase life and reduce scuffing!
5. ***CUPS:*** "E" Series HRC* Cups with Expanders and Springs insure trouble-free operation in high-heat conditions. The Expander applies the slight pressure needed at the point of seal to insure correct sealing and longer cylinder life; does not interfere with brake shoe return. "E" Series Cups with Expanders and Springs are built into all EIS Wheel Cylinders at no extra cost!

* HRC-Heat-Resisting-Compound. Operates efficiently at −40° F., too!

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MASTER CYLINDER KITS • WHEEL CYLINDER KITS • MASTER CYLINDERS • WHEEL CYLINDERS
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In every field, "It's a Dorsey" means the best in trailer value

DORSEY QUALITY
One Year Warranty
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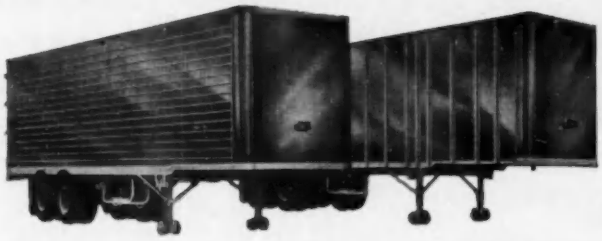
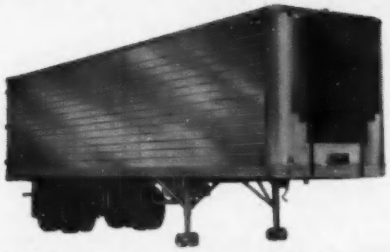
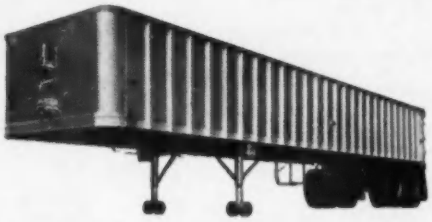


HI-CUBE VANS — Drivmatic riveting, straight floor design and a nose assembly that just won't break down head a list of special features that make both exterior post and exterior skin Hi-Cubes outstanding for strength as well as capacity.

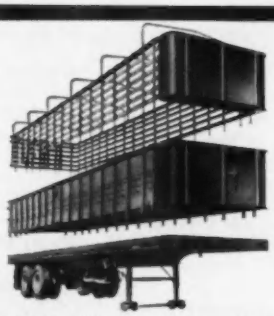
DRY FREIGHT VANS — Choose from Drivmatic-riveted aluminum Satellite Model DALT and economy Model DIPT in all-steel or with aluminum siding; or the new Champion-209 with full X-bracing and steel or aluminum components. Interchangeable options allow you to "tailor your trailer" to fit your needs and budget.



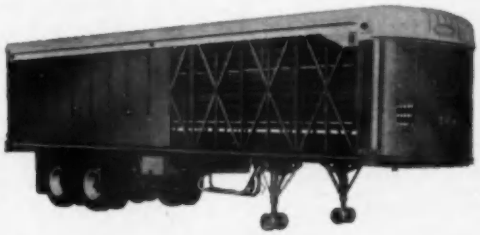
INSULATED VANS — Superior "assembly line insulation" insures maximum protection of all perishable cargoes. Produce or refrigerator versions of aluminum Satellite or X-braced Champion 209 available. Produce vans feature exclusive "Strate Flo Chilling."



GRAIN TRAILERS — All aluminum models in exterior skin or exterior post design. Front corners are stress relieved to prevent breakage, top and bottom rails are special extrusions for extra strength. Grain trailers also available in X-braced Champion 209 design.



PLATFORM TRAILERS — With its 18" deep main frame, the Giant is the strongest, lightest platform in the industry. Modified design of models over 36' features new strength and light weight. Grain-tight plywood body and livestock extension available.



LIVESTOCK VANS — Engineered for maximum livestock protection and durability. Convert easily to dry freight vans for profitable backhauls. Drop deck models also available.

FURNITURE VANS — Sensational Model FVP with punched logistics cargo control posts, drop axle Model FCD and standard Model FC lead the industry. All have substantial rubrails and feature outstanding cube and strength. Single, tandem or four-tire tandem as well as many other options available.

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- ☐ Livestock Vans
- ☐ Low Beds

Name_____
Company_____
Address_____
City and State_____

TIRE TOOLS, Hand—continued

Bowes "Seal Fast" Corp 4902 E 34th St Indianapolis 18 Ind
Cam Tool Co Inc 1038 Larkin St San Francisco Cal
CHICAGO PNEUMATIC TOOL CO 8 E 44th St New York 17 N Y
Cleveland Graphite Bronze Div Clevite Service 17000 St Clair Ave Cleveland 10 Ohio
Coats Co 3001 Fifth Ave S Fort Dodge Iowa
Duro Metal Products Co 2649 N Kildare Ave Chicago 39 Ill
Egan Mfg Co H B P O Box 1406 Muskogee Okla
HERBRAND DIV Bingham - Herbrand Corp Lake & Stone Sts Fremont Ohio
INGERSOLL-RAND CO 11 Broadway New York 4 N Y
K-D MFG CO 526 N Plum St Lancaster Pa
KEN-TOOL MFG CO 768 E North St Akron 5 Ohio
Manley Div Douglas Motors Inc 1234 N 62nd St Milwaukee 13 Wis
May Bros Mfg Co Inc 21300 Eureka Rd Taylor Mich
New Britain Machine Co Hand Tools Div South St New Britain Conn
PROTO TOOLS CO Div Pendleton Tool Industries Inc 2209 Santa Fe Ave Los Angeles 54 Cal
Rinck-McIlwanie Inc 16 Hudson St New York 13 N Y
SALSBURY CORP 1161 E Florence Ave Los Angeles 1 Cal
SCHRADER'S SON A Div Scoville Mfg Co 470 Vanderbilt Ave Brooklyn 38 N Y
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Three Star Sales Corp 12 Depot Sq Englewood N J
Weaver Mfg Div Dura Corp 2177 S Ninth St Springfield Ill

TIRE VALVES & CAPS

Bowes "Seal Fast" Corp 4902 E 34th St Indianapolis 18 Ind
Bridgeport Brass Co 30 Grand St Bridgeport 2 Conn
DILL MFG CO 700 E 82nd St Cleveland 3 Ohio
Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn
GOODRICH TIRE CO B F DIV Goodrich Co B F 500 S Main St Akron 18 Ohio
LEE RUBBER & TIRE CORP Conshohocken Pa
MECHANEX CORP 3773 S Jason St Englewood Colo
Rema Tool Inc 2 Park Ave New York 16 N Y
SCHRADER'S SON A DIV Scovill Mfg Co 470 Vanderbilt Ave Brooklyn 38 N Y
Seiberling Rubber Co 345 15th St N W Akron 9 Ohio
Speaker Corp J W 3059 N Weil St Milwaukee 12 Wis

TIRE VALVE RETHREADING TOOLS

DILL MFG CO 700 E 82nd St Cleveland 3 Ohio
Duro Metal Products Co 2649 N Kildare Ave Chicago 39 Ill
KEN-TOOL MFG CO 768 E North St Akron 5 Ohio
Rinck-McIlwaine Inc 16 Hudson St New York 13 N Y
SCHRADER'S SON A Div Scovill Mfg Co 470 Vanderbilt Ave Brooklyn 38 N Y

TIRE VALVE STEM LOCKS

Carlan Instruments Co 1375 Park Ave Cranston 9 R I
MECHANEX CORP 3773 S Jason St Engelwood Colo

TIRE VULCANIZERS

Big-Four Industries Inc Maineville (Foster) Ohio
BISHMAN MFG CO Rte 2 Osseo 26 Minn
Bowes "Seal Fast" Corp 5902 E 34th St Indianapolis 18 Ind
DILL MFG CO 700 E 82nd St Cleveland 3 Ohio
Egan Mfg Co H B P O Box 1406 Muskogee Okla
General Tire & Rubber Co Industrial Products Div Wabash Ind
Heintz Co James C 3738 W 143rd St Cleveland 11 Ohio
Rema Tool Inc 2 Park Ave New York 16 N Y
SCHRADER'S SON A Div Scovill Mfg Co 470 Vanderbilt Ave Brooklyn 38 N Y
Speaker Corp J W 3059 N Weil St Milwaukee 12 Wis

TOE-IN GAGE—See Alignment Equipment (Front End)

TOOLS

TOOLS, Body

(See also Rams, Hydraulic)

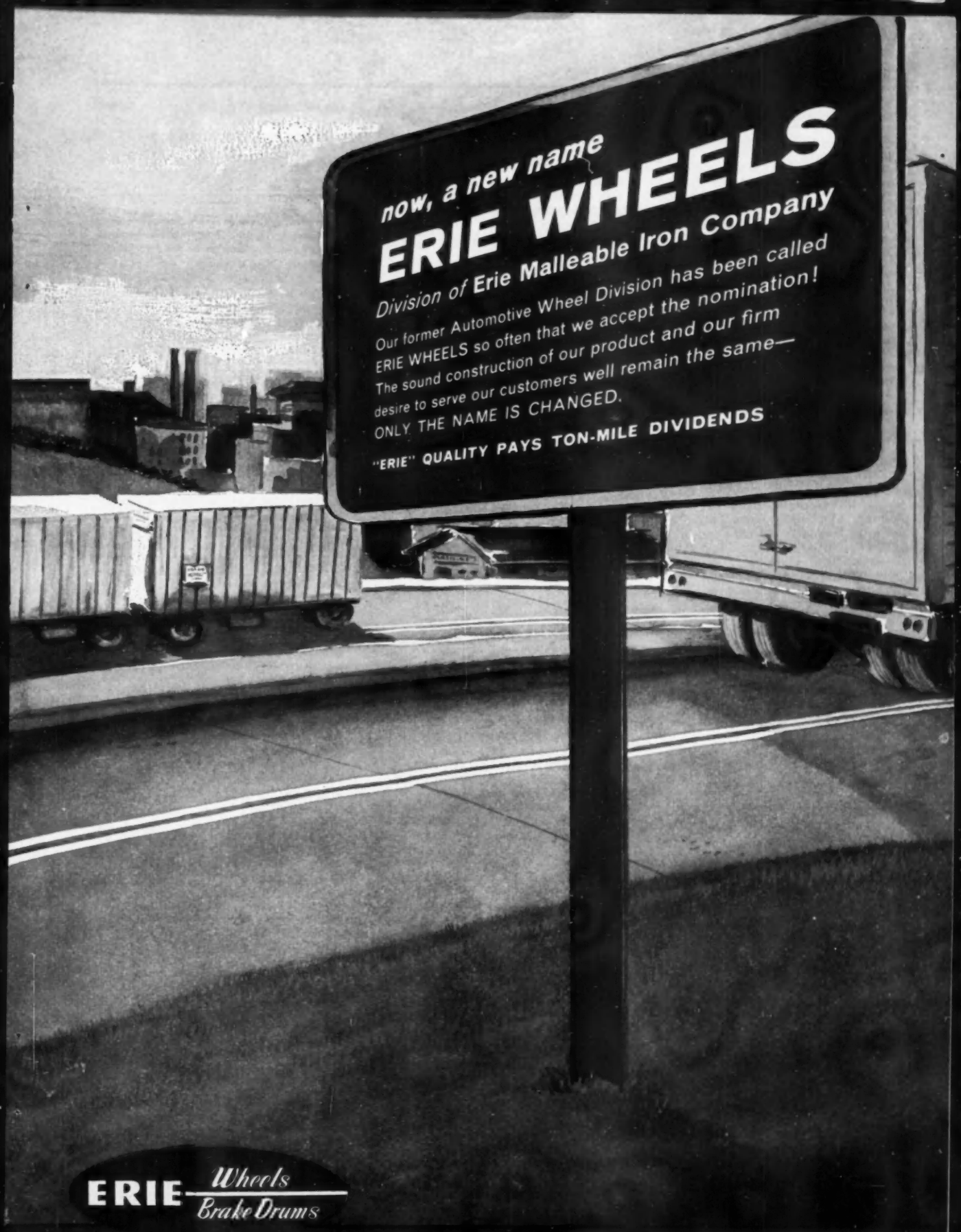
Bean Div John Food Machinery Chemical Corp 1305 S Cedar St Lansing 4 Mich
Bee Line Co 2237 State St Bettendorf Iowa
BLACK & DECKER MFG CO 629 Pennsylvania Ave Towson 4 Md
Blackhawk Automotive Div Blackhawk Mfg Co 5325 W Rogers St Milwaukee 46 Wis
Bonney Forge & Tool Works 2400 N Rockhill Rd Alliance Ohio
CHICAGO PNEUMATIC TOOL CO 8 E 44th St New York 17 N Y
Duro Metal Products Co 2649 N Kildare Ave Chicago 39 Ill
HEIN-WERNER CORP 1200 National Ave Waukesha Wis
HERBRAND DIV Bingham - Herbrand Corp Lake & Stone Sts Fremont Ohio
K-D MFG CO 526 N Plum St Lancaster Pa
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
New Britain Machine Co Hand Tool Div South St New Britain Conn
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
P-F Automotive Div H K Porter Co 74 Foley St Somerville 43 Mass
PROTO TOOLS CO Div Pendleton Tool Industries Inc 2209 Santa Fe Ave Los Angeles 54 Cal
SALSBURY CORP 1161 E Florence Ave Los Angeles 1 Cal
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Vulcan Mfg Co 400 W Third St Winona Minn
Watervliet Tool Co P O Box 350 Albany 1 N Y
Wilson Inc K R Arcade N Y

TOOLS, CLUTCH ALIGNMENT—See Clutch, Alignment Tools
TOOLS, FLARING—See Tube Tools, Flaring & Cutting

TOOLS, Hand

Accurate Products Inc 135 N Spring St Indianapolis Ind
BACHARACH INDUSTRIAL INSTRUMENT CO (Injector equipment) 200 N Braddock Ave Pittsburgh 8 Pa
BARRETT EQUIPMENT CO 2101 Cass Ave St Louis 6 Mo
Blackhawk Automotive Div Blackhawk Mfg Co 5325 W Rogers St Milwaukee 46 Wis
Bonney Forge & Tool Works 2400 N Rockhill Rd Alliance Ohio
Cam Tool Co Inc 1038 Larkin St San Francisco Cal
Cornwell Quality Tool Co 200 N Cleveland Ave Magadore Ohio
Crescent Co Inc 20 Central Ave Pawtucket R I
Duro Metal Products Co 2649 N Kildare Ave Chicago 39 Ill
HASTINGS MFG CO N Hanover St Hastings Mich
HEIN-WERNER CORP 1200 National Ave Waukesha Wis
HERBRAND DIV Bingham - Herbrand Corp Lake & Stone Sts Fremont Ohio
Imperial Brass Mfg Co 6300 W Howard St Chicago 48 Ill
K-D MFG CO 526 N Plum St Lancaster Pa
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
KEN TOOL MFG CO 768 E North St Akron 5 Ohio
Marson Corp 765 Revere Beach Pkwy Revere 51 Mass
New Britain Machine Co Hand Tools Div South St New Britain Conn
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
P-F Automotive Div H K Porter Co 74 Foley St Somerville 43 Mass
Peterson Mfg Co 4515 E 75th Ter Kansas City 32 Mo
PROTO TOOLS CO Div Pendleton Tool Industries Inc 2209 Santa Fe Ave Los Angeles 54 Cal
RAYBESTOS DIV Raybestos-Manhattan Inc P O Box 1021 Bridgeport 2 Conn (Brake tools)
Rinck-McIlwaine Inc 16 Hudson St New York 13 N Y
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Starrett Co L S 1 Crescent St Athol Mass

More details? Circle 188 on reply card inside back cover——→



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Manufacturers of Commercial Truck-trailer Wheels and Brake Drums

TOOLS, Hand—continued

Stevens-Walden Inc 475 Shrewsbury St Worcester Mass
Utica Drop Forge & Tool Div Kelsey-Hayes Co 2500 Whitesboro St Utica N Y
Whitaker Mfg Co 409 S Greene St Chicago Ill

TOOLS, Ignition

Blackhawk Automotive Div Blackhawk Mfg Co 5325 W Rogers St Milwaukee 46 Wis
Bonney Forge & Tool Works 2400 N Rockhill Rd Alliance Ohio
Duro Metal Products Co 2649 N Kildare Ave Chicago 39 Ill
HERBRAND DIV Bingham - Herbrand Corp Lake & Stone Sts Fremont Ohio
K-D MFG CO 526 N Plum St Lancaster Pa
Kal-Equip Co 411 Washington St Otsego Mich
Kem Mfg Co 20-21 Wagaraw Rd Fair Lawn N J
Kent - Moore Organization Inc 28635 Mound Rd Warren Mich
New Britain Machine Co Hand Tools Div South St New Britain Conn
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
PROTO TOOLS CO Div Pendleton Tool Industries Inc 2209 Santa Fe Ave Los Angeles 54 Cal
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
STANDARD MOTOR PRODUCTS INC 37-08 Northern Blvd Long Island City N Y
Sun Electric Corp Harlem & Avondale Chicago 31 Ill

TOOLS, INJECTOR SERVICE—See Injector Service Tools
TOOLS, PISTON PIN REMOVING & INSTALLING—See Piston Pin Removing & Installing Tools
TOOLS, PISTON RING COMPRESSING—See Piston Ring Compressing Tools
TOOLS, PISTON RING GROOVE CLEANING—See Piston Ring Groove Cleaning Tools
TOOLS, TIRE—See Tire Tools
TOOLS, TIRE CHAIN REPAIR—See Tire Chain Repair Tools
TOOLS, TIRE VALVE RETHREADING—See Tire Valve Rethreading Tools
TOOLS, TRANSMISSION—See Transmission Tools

TOOLS, Valve Guide

ALBERTSON & CO INC (Sioux tools) 2801 Floyd Blvd Sioux City 2 Iowa
Hall Toledo Inc 2931 South Ave Toledo 9 Ohio
HERBRAND DIV Bingham - Herbrand Corp Lake & Stone Sts Fremont Ohio
K-D MFG CO 526 N Plum St Lancaster Pa
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
New Britain Machine Co Hand Tools Div South St New Britain Conn
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
PROTO TOOLS CO Div Pendleton Tool Industries Inc 2209 Santa Fe Ave Los Angeles 54 Cal
SEALED POWER CORP 2001 Sanford St Muskegon Mich
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Thor Power Tool Co 175 N State St Aurora Ill

TOOLS, Engine Valve Seat Installing

Cedar Rapids Engineering Co (Kwik-Way) 902 17th St N E Cedar Rapids 1 Iowa
Hall Toledo Inc 2931 South Ave Toledo 9 Ohio
HERBRAND DIV Bingham - Herbrand Corp Lake & Stone Sts Fremont Ohio
K-D MFG CO 526 N Plum St Lancaster Pa
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn

TORQUE CONVERTERS

Allison Div General Motors Corp P O Box 894 Indianapolis 6 Ind
BORG & BECK DIV Borg-Warner Corp 6558 S Menard Ave Chicago 38 Ill
CLARK EQUIPMENT CO Automotive Div Buchanan 3 Mich
DANA CORP Standard Equipment Div 253 Waggoner Blvd Toledo 1 Ohio
FULLER TRANSMISSION DIV Eaton Mfg Co Prouty St Kalamazoo Mich
Long Mfg Div Borg-Warner Corp 12501 Dequindre St Detroit 12 Mich
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
ROCKWELL - STANDARD CORP Transmission & Axle Div 100-400 Clark Ave Detroit 32 Mich
Twin Disc Clutch Co 1328 Racine St Racine Wis

TORQUE WRENCHES

Ammco Tools Inc 2100 Commonwealth Ave North Chicago Ill
Cedar Rapids Engineering Co (Kwik Way) 902 17th St N E Cedar Rapids Iowa
HASTINGS MFG CO N Hanover St Hastings Mich
HERBRAND DIV Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio
INGERSOLL-RAND CO 11 Broadway New York 4 N Y
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
New Britain Machine Co Hand Tools Div South St New Britain Conn
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
PROTO TOOLS CO Div Pendleton Tool Industries Inc 2209 Santa Fe Ave Los Angeles 54 Cal
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
STURTEVANT CO P A Addison Ill
Sunnen Products Co 7910 Manchester Ave St Louis 17 Mo
Wilson Inc K R Arcade N Y

TORQUE WRENCH TESTERS

HERBRAND DIV Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
PROTO TOOLS CO Div Pendleton Tool Industries Inc 2209 Santa Fe Ave Los Angeles 54 Cal

TOWERS, Hydraulic (For Use In Overhead Repairs)

Holan Corp 4100 W 150th St Cleveland 35 Ohio
McCabe-Powers Auto Body Co 5900 N Broadway St Louis 15 Mo
Silent Hoist & Crane Co 841-889 63rd St Brooklyn 20 N Y
Stahl Metal Products Inc 4750 W 160th St Cleveland 35 Ohio

TOW BARS & HOOKS

BARTLETT TRAILER CORP 3080 Archer Ave Chicago 8 Ill
Cam Tool Co Inc 1038 Larkin St San Francisco Cal
Cleveland Hardware & Forging Co 3264 E 79th St Cleveland 4 Ohio (Hooks only)
Holan Corp 4100 W 150th Ct Cleveland 35 Ohio
Holland Hitch Co 430 W 18th St Holland Mich
HOLMES CO ERNEST 2505 E 43rd St Chattanooga 7 Tenn
Manley Div Douglas Motors Inc 1243 N 62nd St Milwaukee 13 Wis
WATSON CO H S 1316 67th Emeryville 8 Cal
Weld-Built Body Co Inc 5903 Preston Court Brooklyn 34 N Y

TRACTORS, Crawler

Allis-Chalmers Mfg Co Milwaukee 1 Wis
Case Co J I 700 State St Racine Wis
Caterpillar Tractor Co 600 W Washington St Peoria 8 Ill
Cletrac Corp 19300 Euclid Ave Cleveland 17 Ohio
Deere & Co 3300 River Dr Moline Ill
Eimco Corp 634 54th St Salt Lake City 10 Utah
Euclid Div General Motors Corp Hudson Ohio
INTERNATIONAL HARVESTER CO 180 N Michigan Ave Chicago 1 Ill

TRACTORS, TRUCK—See Trucks

TRACTORS, Wheeled Industrial

Baker Industrial Trucks Div Otis Elevator Co 8000 Baker Ave Cleveland 2 Ohio
Clark Equipment Co Industrial Truck Div 24th St Battle Creek 85 Mich
Ford Tractor & Implement Div Ford Motor Co Birmingham Mich

Kalamazoo Mfg Co 1827 Reed St Kalamazoo Mich
Mercury Mfg Co 4600 W Division St Chicago 51 Ill
Mobilift Motec Industries Inc Hopkins Minn
Silent Hoist & Crane Co Inc 841-889 63rd St Brooklyn 20 N Y
Towmotor Corp 1226 E 152nd St Cleveland 10 Ohio

TRAILERS

TRAILERS, Automobile Transport

Elkhart Welding & Boiler Works Inc 2132 S Main St Elkhart Ind
Fox Body Co 1111 W Racine St Janesville Wis
FRUEHAUF TRAILER CO 10940 Harper Ave Detroit 32 Mich
Traffic Transport Engineering Inc 14301 Schaden Ave Dearborne Mich
Troyler Corp 1445 Meylert Ave Scranton 9 Pa
Whitehead & Kales Co 58 Haltiner St River Range 18 Mich

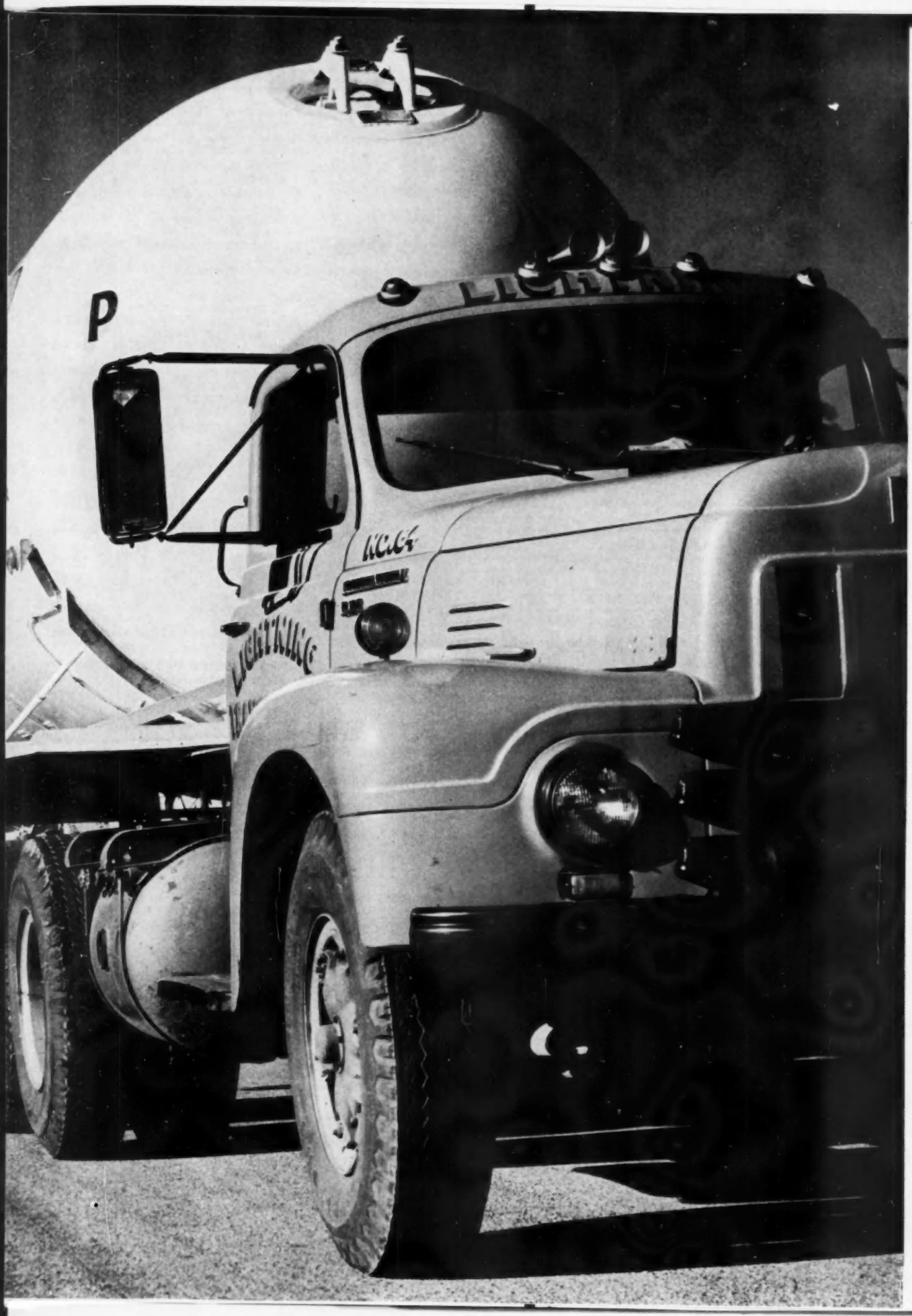
TRAILERS, Commercial

Ace Trailer & Equipment Co H & San Joaquin Sts Fresno Cal
Aerobilt Bodies Inc Div Grumman Aircraft Co Athens N Y
Aluminum Body Corp 1600 W Washington Blvd Montbello Cal
American Body & Trailer Inc P O Box 1150 Oklahoma City 1 Okla
American Trailer & Mfg Co 1222 S Woodruff Ave Downey Cal
Andrews Industries Inc 7901 Alabama Ave St Louis 11 Mo
Anthony Co Streator Ill
BARTLETT TRAILER CORP 3080 Archer Ave Chicago 8 Ill
Birmingham Mfg Co Inc P O Box 2805 Birmingham Ala
Black Diamond Trailer Co Euclid Ave Bristol Va
Body Trailer Co E G 3922 Elm St Dallas Tex
BOYERTOWN AUTO BODY WORKS Third & Walnut Sts Boyertown Pa
Brooks & Perkins Inc 1950 W Fort St Detroit 16 Mich
BROWN TRAILER DIV Clark Equipment Co Box 410 Michigan City Ind
Brown Truck & Trailer Mfg Co P O Box 1281 Morris Field Charlotte 1 N C
Brunswick Body Works U S Rte #1 New Brunswick N J
C & C Trailer & Body Co 300 San Leandro Blvd San Leandro Cal
Cemco Industries Inc Galion Ohio
Challenge-Cook Bros Inc 3334 San Fernando Rd Los Angeles 65 Cal
Chamberlain Trailers Inc 2531 Falls Ave Waterloo Iowa
CHAMPION CO Springfield Ohio
Copco Steel & Engrg Co 14035 Grand River Detroit 27 Mich
Cox Trailers Inc Grifton N C
Detroit Trailer Co 487 Beaufait Ave Detroit 7 Mich
DIFFERENTIAL CO P O Box 238 Findlay Ohio
DORSEY TRAILERS INC Elba Ala
Duplex Mfg Co Waterloo Neb
Elder Trailer & Body Inc 4830 Race St Denver 16 Colo
Evans Mfg Co John 3 Miles S on Hwy 15A Sumter S C
F A B Mfg Co 1249 67th St Oakland 8 Cal
Felburn-Kingham Div 1409 W Hill St Louisville 10 Ky
Flxible Co (Bus Trailers) 326 N Walter St Loudonville Ohio
FONTAINE TRUCK EQUIPMENT CO INC 1232 N 37th Pl Birmingham 1 Ala
Freighter Trailer Co P O Box 204 Muncie Ind
Fruehauf Carter Div Fruehauf Trailer Co 2832 Winchester Pike Memphis Tenn
FRUEHAUF TRAILER CO 10940 Harper Ave Detroit 32 Mich
Galion Allsteel Body Co 605 S Market St Galion Ohio
Gar Wood Industries Inc Wayne Mich
Gertenslager Co Wooster Ohio
Gindy Mfg Co Boot Rd & Chestnut St Downingtown Pa
GLEDHILL ROAD MACHINERY CO THE S State Rd Galion Ohio
Great Dane Trailers Inc P O Box 1159 Savannah Ga
Heil Co The 3042 W Montana Milwaukee Wis
Hercules Steel Products Co 500 Sherman St Galion Ohio
Highway Trailer Industries Inc 250 Park Ave New York N Y
Hobbs Trailer Div Fruehauf Trailer Co 609 N Main St Ft Worth 1 Tex
Humes Truck & Trailer Mfg Co 907 Franklin Ave Steubenville Ohio
Industrial Steel Tank & Body Works Inc 2533 Fourth St Berkeley 10 Cal
Kentucky Mfg Co 2601 Third St Louisville 8 Ky
Keystone Trailer & Equipment Co 1501 Guinotte Ave Kansas City 20 Mo
Kingham Trailer Co 15th & Hill Sts Louisville 10 Ky
La Cross Trailer Corp 418 Gould St La Crosse Wis
Lufkin Foundry & Machine Co Trailer Div Lufkin Tex
LYNCOACH & TRUCK CO INC 443 Chestnut St Oneonta N Y
McCabe-Powers Auto Body Co 5900 N Broadway St Louis 15 Mo
Marion Metal Products Co Otis & Cheyney Ave Marion Ohio
Mastercraft Trailers Inc Middlefield St Middletown Conn
Miller & Smith Mfg Co Inc 500 Phoenix Ave N W P O Box 6007 Albuquerque N Mex
Miller Trailers Inc 333 Sixth Ave W Bradenton Fla
Nabors Trailers Div ALF-Herman Corp Mansfield La
NORDIC TRAILER CO 5944 Casmere St Detroit 12 Mich
Norwin Trailer Div Northern Indiana Steel Supply Co Inc Michigan City Ind
Ohio Body Mfg Co New London Ohio
Oneida Div Marmon-Herrington Co 1151 W Washington St Indianapolis Ind
PARISH PRESSED STEEL DIV Dana Corp Robeson & Weiser Sts Reading Pa
Peerless Trailer Co 549 N E 3rd Ave Portland Ore
Penn Body Div Hockensmith Corp 1946 Penn St Penn Pa
Perfection Div Hupp Corp 1135 Ivanhoe Rd Cleveland 10 Ohio
Pierce Trailer & Equipment Co 1306 S E Ninth Ave Portland 14 Ore
Ravens Metal Products Inc 1300 Market St Parkersburg W Va
Reliance Trailer & Truck Co Inc 2765 16th St San Francisco Cal
ROGERS TRAILERS INC Orchard St Albion Pa
St Louis Car Co 8000 N Broadway St Louis 15 Mo
Sideloading Trailers Inc 20 State St Akron N Y
Spencer-Safford Loadcraft Inc Augusta Kans
Standard Trailer Co 415 Park St San Leandro Cal
Strick Trailers Div Fruehauf Trailer Co 225 Lincoln Hwy Fairless Hills Pa
Superior Trailer Mfg Corp 1125 Georgia St Indianapolis Ind
Talbert Trailers Inc 7950 W 47th St Lyons Ill
Tev Div Heil Co 1285 W 70th St Cleveland 2 Ohio
Theurer Wagon Works Inc 56th St & 11th Ave New York 19 N Y
Thompson Trailer Corp 2 Old Court Rd Pilesville Md
Timmons Metal Products Co 845 Harrisburg Pike Columbus 16 Ohio
Timpte Bros Inc 5900 N Washington St Denver Colo
Trailco Mfg & Sales Co Mill St Hummels Wharf Pa
TRAILMOBILE INC 31st & Robertson Aves Cincinnati 9 Ohio
Trans-Equipment Corp 4160 W Broad St Columbus 4 Ohio
Transport Trailers Inc 1200 12th St S W Cedar Rapids Iowa
Troyler Corp 1445 Meylert Ave Scranton 9 Pa
Truck Equipment Co 1791 Fillmore Ave Buffalo 14 N Y
UTILITY TRAILER MFG CO P O Box F-1 City of Industry Cal
Veenema & Wiegers Inc 241 N Tenth St Paterson 2 N J
Vulcan Trailer Mfg Co 901 34th St N Birmingham Ala
Weber Trailer & Mfg Co P O Box 2473 Terminal Annex Los Angeles 54 Cal
Wells Cargo Div Prairie Schooner Inc 1501 W Bristol St Elkhart Ind
Wentworth & Irwin Inc 123 N E Oregon St Portland 14 Ore
Whitehead & Kales Co 58 Haltiner St River Rouge 18 Mich
Williamsen Body & Equipment Co 933 Wall Ave Ogden Utah
Wilson Trailer Co 2400 Leech Ave Sioux City 6 Iowa

TRAILER AXLES—See Axles Trailer
TRAILER AXLE DOLLIES—See Axle Dollies
TRAILER CONNECTORS ELECTRIC—See Connectors, Trailer Electric
TRAILER FLOORING—See Flooring

TRAILER HITCHES

BENDIX WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO 901 Cleveland Rd Elyria Ohio
DAYTON STEEL FOUNDRY CO P O Box 1022 1366 Miami Chapel Rd Dayton 1 Ohio
MIDLAND-ROSS CORP Owosso Div 490 S Chestnut St Owosso Mich
Spencer-Safford Loadcraft Inc Augusta Kan


P
LIGHTNING
KCG

Joe Grasher, Supt. of Maintenance, Lightning Transportation Co., Salem, Illinois.

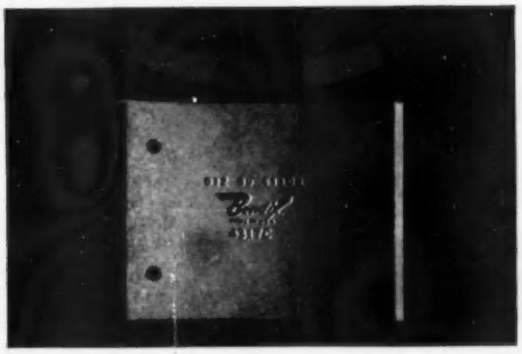
"BENDIX S-1100 HEAVY-DUTY BRAKE BLOCKS GIVE US MORE MILES BETWEEN RELINES"

"Bendix S-1100 Heavy-Duty Brake Blocks are the answer to rugged brake requirements," says Mr. Grasher. "Our company operates a fleet of tank trailers which covers thousands of miles of hazardous roads. This means we have to have the best brake linings available. Since using Bendix Brake Blocks, we are experiencing less down-time, cutting maintenance costs considerably. We not only have increased our lining life, but are getting far better drum life and fewer heat checks than with any other lining we've ever used."

The Lightning Transportation Co. also found it eliminated complaints from drivers on fade and burn-outs from extreme heat or wet conditions. Its drivers report good, dependable braking at all times with Bendix® S-1100 Heavy-Duty Brake Blocks.

Reports like these bear out what has been discovered in over two years of testing these new blocks. On 161 different vehicles, traveling more than a million miles over some of the country's most rugged terrain, these heavy-duty blocks delivered superior performance. In fact, operators reported as much as 65% to 75% longer block life, on the average, with Bendix S-1100.

Laboratory dynamometer tests showed the Bendix S-1100 suffered substantially less wear than any of the 14 other brands tested. Convincing proof that your fleet will go farther between relines with Bendix S-1100 Heavy-Duty Brake Blocks! See your nearby Bendix distributor or write to Marshall-Eclipse Division in Troy, N.Y. Export Sales & Service: Bendix International, 205 E. 42nd St., New York 17, N. Y.



LOOK FOR THE BENDIX S-1100 BLUE—THE MARK OF QUALITY

Marshall-Eclipse Division

THE Bendix CORPORATION

More details? Circle 189 on reply card inside back cover

TRAILER HITCHES—continued

UTILITY TRAILER MFG CO P O Box 2291 City of Industry Cal
Western Unit Corp 17747 E Railroad St City of Industry Cal

TRAILER SUSPENSION UNITS—See Axle Suspension Units, Trailer
TRAILER TANKS—See Tanks, Trailer & Truck Body

TRANSMISSIONS

TRANSMISSIONS

Allison Div General Motors Corp 4700 W 10th St Indianapolis 6 Ind
CLARK EQUIPMENT CO Automotive Div Buchanan 3 Mich
DANA CORP (Spicer) Standard Equipment Div 4100 Bennett Rd Toledo 1 Ohio
Detroit Transmission Div General Motors Corp Ypsilanti Mich
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
FULLER TRANSMISSION Div Eaton Mfg Co Prouty St Kalamazoo Mich
MACK TRUCKS INC 1355 W Front St Plainfield N J
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
New Process Gear Div Chrysler Corp 500 Plum St Syracuse N Y
RAYBESTOS DIV (Parts only) Raybestos-Manhattan Inc P O Box 1021 Bridgeport 2 Conn
ROCKWELL-STANDARD CORP Transmission & Axle Div 100-400 Clark Ave Detroit 32 Mich
THOMPSON PRODUCTS REPLACEMENT DIV (parts only) Thompson-Ramo-Wooldridge Inc 6402 Cedar Ave Cleveland 3 Ohio
Twin Disc Clutch Co 1328 Racine St Racine Wis
Warner Gear Div Borg-Warner Corp 1106 E Seymour St Muncie Ind

TRANSMISSIONS, Auxiliary

CLARK EQUIPMENT CO Automotive Div Buchanan 3 Mich
DANA CORP Standard Equipment Div 253 Waggoner Blvd Toledo 1 Ohio
FULLER TRANSMISSION DIV Eaton Mfg Co Prouty St Kalamazoo Mich
THOMPSON PRODUCTS REPLACEMENT (Parts only) Thompson-Ramo-Wooldridge Inc 6402 Cedar Ave Cleveland 3 Ohio
Truckstell Mfg Co 3490 W 140th St Cleveland 11 Ohio
Warner Gear Div Borg-Warner Corp 1106 E Seymour St Muncie Ind
WATSON CO H S 1316 67th St Emeryville 8 Cal

TRANSMISSION FLUID—See Oils & Lubricants

TRANSMISSION GEARS & SHAFTS

ALLIED AUTOMOTIVE PARTS CO 1450 E 19th St Indianapolis 7 Ind
BORG-WARNER SERVICE PARTS CO 6 N Michigan Ave Chicago 2 Ill
CLARK EQUIPMENT CO Automotive Div Buchanan 3 Mich
DANA CORP Standard Equipment Div 253 Waggoner Blvd Toledo 1 Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
FULLER TRANSMISSION Div Eaton Mfg Co Prouty St Kalamazoo Mich
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Muskegon Piston Ring Co 1839 Sixth St Muskegon Mich
New Process Gear Div Chrysler Corp 6600 Chrysler Dr Syracuse N Y
Ohio Gear Co 1333 E 179th St Cleveland 10 Ohio
Perfection Gear Co 152nd St & Vincennes Ave Harvey Ill
THOMPSON PRODUCTS REPLACEMENT DIV Thompson-Ramo-Wooldridge Inc 6402 Cedar Ave Cleveland 3 Ohio
Warner Automotive Div Borg-Warner Corp Auburn Ind

TRANSMISSION JACKS—See Jacks, Transmission
TRANSMISSION OIL—See Oils & Lubricants
TRANSMISSION OIL FILTERS—See Oil Filters, Transmission
TRANSMISSION STANDS—See Stands

TRANSMISSION TOOLS

Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
Neapco Products Inc South & Cross Sts Pottstown Pa
PROTO TOOLS CO Div Pendleton Tool Industries Inc 2209 Santa Fe Ave Los Angeles 54 Cal
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Stephenson Industries Inc 1695 E Mansfield Rd Bucyrus Ohio

TROUBLE LAMPS—See Lamps, Trouble

REMEMBER: Vehicle makers offer parts and components for their own vehicles. Generally it is not possible to list them under all the product headings involved. Also many makers have a line of reconditioned (by qualified local rebuilders) parts and components, and some supply parts and components for other makers' vehicles. Vehicle makers who have a separately named division for handling parts and components are listed under the heading "Replacement Parts". Otherwise the address is as shown under the appropriate vehicle heading. For example, "Trucks" or "Trailers".

TRUCKS

TRUCKS

AMERICAN-COLEMAN CO Littleton Colo
AUTOCAR DIV White Motor Co Lancaster Ave Rte #30 Exton Pa
Available Truck Co Div Crane Carrier Corp P O Box 5008 Tulsa Okla
BROCKWAY MOTOR TRUCKS Div Mack Trucks 106 Central Ave Cortland N Y
CHEVROLET DIV General Motors Corp General Motors Bldg Detroit 2 Mich
Corbitt Co Parham St Henderson N C
DIAMOND T MOTOR TRUCK CO 4401 W 26th St Chicago 23 Ill
DIVCO TRUCK DIV Divco Wayne Corp 22000 Hoover Rd Detroit 5 Mich
DODGE CAR & TRUCK Div Chrysler Corp 7900 Joseph Campau Ave Detroit 31 Mich
Duplex Div Warner & Swasey Co Hazel St Lansing 4 Mich
F A B Mfg Co 1249 67th St Oakland 8 Cal
FWD Corp E 12th St Clintonville Wis
Federal Motor Truck Co 834 N Seventh St Minneapolis 11 Minn
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Freightliner Corp 5400 N Basin Ave Portland 11 Ore
GMC TRUCK & COACH DIV General Motors Corp 660 South Blvd E Pontiac 11 Mich
HENDRICKSON MFG CO 8001 W 47th St Lyons Ill
INTERNATIONAL HARVESTER CO 180 N Michigan Ave Chicago 1 Ill
Kenworth Motor Truck Co 8801 Marginal Way Seattle 8 Wash
Leyland Motors (USA) Inc 32 E 57th St New York 22 N Y
MACK TRUCKS INC 1355 W Front St Plainfield N J
Marmon-Herrington Co 1511 W Washington St Indianapolis 7 Ind
MERCEDES-BENZ SALES INC Studebaker-Packard Corp 635 S Main St South Bend 27 Ind
OSHKOSH MOTOR TRUCK INC 2390 Oregon St Oshkosh Wis
Peterbilt Motors Co 38801 Cherry St Newark Cal
REO DIV White Motor Co 1331 S Washington Ave Lansing 20 Mich
St Louis Car Co (Wolfwagon) 8000 N Broadway St Louis 15 Mo
Sicard Industries Inc 753 W Main St Watertown N Y
STUDEBAKER-PACKARD CORP 635 S Main St South Bend 27 Ind
Truckstell Mfg Co 3490 W 140th St Cleveland 11 Ohio
VOLKSWAGEN OF AMERICA INC Englewood N J
VOLVO IMPORT INC Truck Div 357 Wilson Ave Newark 5 N J
Walter Motor Truck Co School Rd Voorheesville N Y
Ward LaFrance Truck Corp Elmira N Y
WHITE TRUCK DIV White Motor Co Cleveland Ohio
WILLYS MOTORS INC 940 N Cove Blvd Toledo 1 Ohio

WITH THE NEW Snap-on DISTRIB-U-SCOPE

. . . nothing blocks your view

SNAP-ON MT-605
DISTRIB-U-SCOPE

This new *Snap-on* Distrib-U-Scope gives you everything you need in a distributor testing machine — quick checkout, pin-point accuracy, easy distributor servicing and parts replacement. Nothing can touch it on single-point, dual points or high rpm checks. With this machine, you can put distributor servicing on a really profitable basis — and give your customers results that are second to none.

Here's what the Distrib-U-Scope does:

- Checks contact point cam angle or dwell for each cam lobe
- Shows wear in cam, distributor shaft, bushing, breaker plate and housing
- Checks centrifugal and vacuum advance against factory specs
- Shows contact point bounce, point creeping

They Go Together . . .
SNAP-ON Shop Equipment and Shop Efficiency

Ignition System ANAL-O-SCOPE® — Engine Test Instruments and Gauges — Battery Chargers and Testers — Armature Growlers and Reconditioners — Wheel Balancers and Aligning Equipment — Pullers for Every Purpose — Hydraulic Floor Press and many more. Ask for a demonstration in your shop.

The only distributor tester with all these important advantages

Double light-band system — Two bands of lights show, with unmatched accuracy, any mechanical faults on distributor — show dwell and advance of each cam lobe, as well as overlap on dual point systems.

Two-scale automatic tachometer — Tach automatically switches to proper scale as rpm's increase or decrease. Reads up to 4,000 distributor rpm.

Full-view dial — Distributor mounts off to side.

Pin-point accuracy — on either single or dual point distributors.

Positive speed control — Variable speed transformer controls speed for greater accuracy.

Direct-view angle — Instrument panel mounted at 45-degree angle for easy viewing. Controls grouped at bottom for operator convenience.

SNAP-ON TOOLS
CORPORATION
8026-K 28th Street • Kenosha, Wisconsin

Snap-on Tools
THE CHOICE OF BETTER MECHANICS

More details? Circle 190 on reply card inside back cover

TRUCK BODY HOISTS—See Body Hoists
TRUCK DOORS (OVERHEAD)—See Doors, Overhead, Truck & Trailer
TRUCK FLOORING—See Flooring Truck & Trailer
TRUCK FRAMES—See Frames Pressed Steel
TRUCK LOADERS (ELEVATING TAILGATE)—See Tail Gates, Elevating

TRUCKS, Dump (Construction & Off Highway)

(See also Bodies, Dump)

AUTOCAR DIV White Motor Co Lancaster Ave Route #30 Exton Pa
BROCKWAY MOTOR TRUCKS Div of Mack Trucks Inc 106 Central Ave Cortland N Y
CHEVROLET DIV General Motors Corp General Motors Bldg Detroit 2 Mich
DIAMOND T MOTOR TRUCK CO 4401 W 26th St Chicago 23 Ill
DODGE CAR & TRUCK DIV Chrysler Corp 7900 Joseph Campau Ave Detroit 31 Mich
Duplex Div Warner & Swasey Co Hazel St Lansing 4 Mich
Euclid Div General Motors Corp Hudson Ohio
FWD Corp E 12th St Clintonville Wis
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
GMC TRUCK & COACH DIV General Motors Corp 660 S Blvd E Pontiac 11 Mich
HENDRICKSON MFG CO 8001 W 47th St Lyons Ill
INTERNATIONAL HARVESTER CO 180 N Michigan Ave Chicago 1 Ill
KW-Dart Truck Co 1301 N Manchester St Kansas City 41 Mo
Kenworth Motor Truck Co 8801 E Marginal Way Seattle 8 Wash
MACK TRUCKS INC 1355 W Front St Plainfield N J
Marmon-Herrington Co 1511 W Washington St Indianapolis 7 Ind
OSHKOSH MOTOR TRUCK INC 2300 Oregon St Oshkosh Wis
Peterbilt Motors Co 38801 Cherry St Newark Cal
REO DIV White Motor Co 1331 S Washington Ave Lansing 20 Mich
Walter Motor Truck Co School Rd Voorheesville N Y

TRUCKS, Electric

Cleveland Vehicle Co 3949 Lakeside Ave Cleveland 14 Ohio
Cushman Motor Works Inc 920 N 21st St Lincoln Neb

TRUCKS, Fire Apparatus

American LaFrance Div Sterling Precision Corp 100 E La France St Elmira N Y
BOYERTOWN AUTO BODY WORKS INC Third & Walnut Sts Boyertown Pa
BROCKWAY MOTOR TRUCKS Div of Mack Trucks Inc 106 Central Ave Cortland N Y
Crown Coach Corp 2500 E 12th St Los Angeles 21 Cal
FWD Corp E 12th St Clintonville Wis
Hahn Motors Inc 400 S Third St Hamburg Pa
Howe Fire Apparatus Co 1402 E 22nd St P O Box 527 Anderson Ind
MACK TRUCKS INC 1355 W Front St Plainfield N J
Maxim Motor Co 170 Wareham St Middleboro Mass
Oren-Roanoke 1201 W Salem Ave Roanoke Va
OSHKOSH MOTOR TRUCK INC 2300 Oregon St Oshkosh Wis
Peter Pirsh & Sons Inc 1308 35th St Kenosha Wis
Seagrave Corp 2000 S High St Columbus Ohio
Walter Motor Truck Co (Air Crash Units) School Rd Voorheesville N Y
Ward LaFrance Truck Corp Elmira N Y

TRUCKS, FORK LIFT—See Lift Trucks
TRUCKS, HAND—See Hand Trucks
TRUCKS, RENTAL (NATIONWIDE ONLY)—See Leasing Companies (Nationwide)
TUBELESS TIRE EXPANDERS, BEAD—See Tire Service Equipment
TUBES, INNER—See Tires & Tubes

TUBING

TUBING, Brass, Copper & Steel

BENDIX WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO 901 Cleveland Rd Elyria Ohio
Bundy Tubing Co 8109 E Jefferson Ave Detroit 14 Mich
DORMAN PRODUCTS INC 5757 Mariemont Ave Cincinnati 27 Ohio
Everhot Products Co 2001 W Carrol Ave Chicago 12 Ill
Monroe Auto Equipment Co 1426 E First St Monroe Mich
REVERE COPPER & BRASS INC 230 Park Ave New York 17 N Y
Reynolds Metals Co P O Box 2316 Richmond 19 Va
Titeflex Inc Hendee St Springfield 4 Mass
Velvac Inc 3534 W Pierce St Milwaukee 15 Wis
WEATHERHEAD CO 300 E 131st St Cleveland 8 Ohio

TUBE BENDERS

Chase Brass & Copper Co 236 Grand St Waterbury 20 Conn
Duro Metal Products Co 2649 N Kildare Ave Chicago 39 Ill
Edelmann & Co E 2332 Logan Blvd Chicago 47 Ill
HEIN-WERNER CORP 1200 National Ave Waukesha Wis
Imperial Brass Mfg Co 6300 W Howard St Chicago 48 Ill
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
WEATHERHEAD CO 300 E 131st St Cleveland 8 Ohio

TUBE FITTINGS

ALEMITE DIV Stewart-Warner Corp 1850 Diversey Pkwy Chicago 14 Ill
BENDIX WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO 901 Cleveland Rd Elyria Ohio
Chase Brass & Copper Co 236 Grand St Waterbury 20 Conn
DORMAN PRODUCTS INC 5757 Mariemont Ave Cincinnati 27 Ohio
Edelmann & Co E 2332 Logan Blvd Chicago 47 Ill
Everhot Products Co 2001 W Carroll Ave Chicago 12 Ill
Fawick Brake Div Fawick Corp 9921 Clinton Rd Cleveland 9 Ohio
Imperial Brass Mfg Co 6300 W Howard St Chicago 48 Ill
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio
Stratoflex Inc 220 Roberts St Fort Worth Texas
Titeflex Inc Hendee St Springfield 4 Mass
Velvac Inc 3534 W Pierce St Milwaukee 15 Wis
WEATHERHEAD CO 300 E 131st St Cleveland 8 Ohio

TUBING TOOLS (Cutting & Flaring)

DORMAN PRODUCTS INC 5757 Mariemont Ave Cincinnati 27 Ohio
Duro Metal Products Co 2649 N Kildare Ave Chicago 39 Ill
Edelmann & Co E 2332 Logan Blvd Chicago 47 Ill
HERBRAND DIV Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio
Imperial Brass Mfg Co 6300 W Howard St Chicago 48 Ill
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
New Britain Machine Co Hand Tools Div South St New Britain Conn
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
PROTO TOOLS CO Div Pendleton Tool Industries Inc 2209 Santa Fe Ave Los Angeles 54 Cal
Ridge Tool Co Elyria Ohio
Rinck-McIlwaine Inc 16 Hudson St New York 13 N Y
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
WEATHERHEAD CO 300 E 131st St Cleveland 8 Ohio

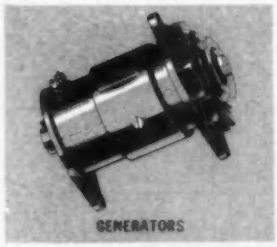
TUBING, Flexible

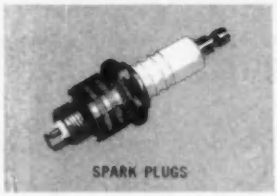
ALEXANDER-TAGG INDUSTRIES INC Jacksonville Rd & Summit Ave Hatboro Pa
Anaconda Div American Brass Co 698 S Main St Waterbury 20 Conn
GABRIEL CO 1148 Euclid Ave Cleveland 15 Ohio
Imperial Brass Mfg Co 6300 W Howard St Chicago 48 Ill
REVERE COPPER & BRASS INC 230 Park Ave New York 17 N Y
Titeflex Inc Hendee St Springfield 4 Mass

CCJ 1962 FLEET BUYERS' DIRECTORY

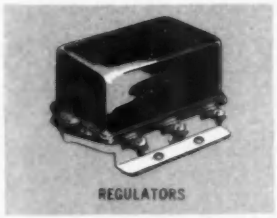
prestolite

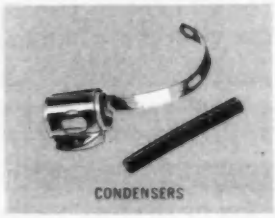
Alternators produce more amps when you need them


GENERATORS


SPARK PLUGS

DISTRIBUTORS and CAPS


REGULATORS


CONDENSERS

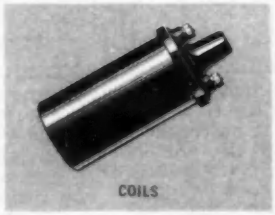
PRESTOLITE ALTERNATORS . . . provide high output at idle . . . increased battery life . . . reduced electrical maintenance . . .

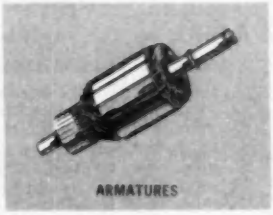
If your trucks are operating in city traffic, idling a lot, or are loaded with lights and accessories, install Prestolite Alternators. They'll keep batteries charged and charged batteries last longer.

Prestolite Alternators are easy to install in place of generators. The compact 40 amp unit is only 5" in diameter and seven simple mounting bracket kits make this unit easily adaptable to most cars and trucks.

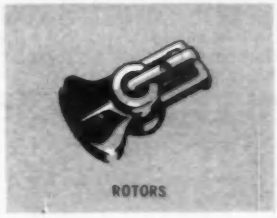
Prestolite Alternator-Regulators have a built-in safety sensing device that eliminates damage due to accidental reversing of polarity.

CONTACT SETS


COILS


ARMATURES

POSITIVE SHIFT
CO-AX STARTING MOTORS


ROTORS

prestolite

THE ELECTRIC AUTOLITE COMPANY
Toledo 1, Ohio

More details? Circle 191 on reply card inside back cover

TUBING, Loom

Berg Mfg & Sales Co 1712-14 S Michigan Ave Chicago 16 Ill
Preferred Electric & Wire Co Bush Terminal Bldg #8 Brooklyn 32 N Y
STANDARD MOTOR PRODUCTS INC 37-08 Northern Blvd Long Island City N Y
Velvac Inc 3534 W Pierce St Milwaukee 15 Wis

TUBING, WINDSHIELD WIPER—See Hose Vacuum
TUNE-UP EQUIPMENT—See Analyzers, Oscilloscopes, Compression Gages, etc.
TUNE-UP OIL—See Additives

TURBOCHARGERS

AiResearch Industrial Div Garrett Corp 9225 S Aviation Blvd Los Angeles 45 Cal
CUMMINS ENGINE CO 1000 Fifth St Columbus Ind
DETROIT DIESEL ENGINE DIV General Motors Corp 13400 W Outer Dr Detroit 28 Mich
I-T-E Circuit Breaker Co 601 E Erie Ave Philadelphia 34 Pa
SCHWITZER CORP 1100 Massachusetts Ave Indianapolis 7 Ind
THOMPSON PRODUCTS REPLACEMENT DIV Thompson-Ramo-Wooldridge Inc 6402 Cedar Ave Cleveland 3 Ohio

TURN SIGNALS—See Directional Signals

UNDERCOATINGS, Chassis & Body

Arco Co The Div American-Marietta Co 7301 Bessemer Ave Cleveland 27 Ohio
Carborundum Co Buffalo Ave Niagara Falls N Y
DITZLER COLOR DIV Pittsburgh Plate Glass Co 8000 W Chicago Ave Detroit 4 Mich
Ensign Products Co 3528 E 76th St Cleveland 5 Ohio
Flintkote Co 30 Rockefeller Plaza New York 20 N Y
Gates Engineering Co 100 S West St Wilmington 99 Del
Hollingshead Corp R M 840 Cooper St Camden 2 N J
Kendall Refining Co 77 N Kendall St Bradford Pa
Minnesota Mining & Mfg Co 900 Bush Ave St Paul 6 Minn
Pennsylvania Refining Co 2686 Lisbon Rd Cleveland 4 Ohio
Pennzoil Div South Penn Oil Co Drake Bldg P O Box 78 Oil City Pa

UNDERCOATING SPRAYERS

ALEMITE DIV Stewart-Warner Corp 1850 Diversey Pkwy Chicago 14 Ill
Aro Equipment Corp Bryan Ohio
Balcrank Inc Disney St (nr Marburg) Cincinnati 9 Ohio
Binks Mfg Co 3132-B Carroll Ave Chicago 12 Ill
De Vilbiss Co 300 Phillips Ave Toledo 1 Ohio
GRAY CO INC 760 Graco Sq Minneapolis 13 Minn
KELLOGG-AMERICAN DIV Scaife Co Pittsburgh 35 Pa
Spee-Flo Co 6614 Harrisburg St Houston 11 Tex

UNDERCUTTERS, Mica

Allen Electric & Equipment Co 2101 N Pitcher St Kalamazoo 13F Mich
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
South Bend Lathe Inc 425 E Madison St South Bend 22 Ind
WEIDENHOFF CORP Highway #18 Algona Iowa

UNIFORM FABRICS—See Fabrics, Uniform

UNIVERSAL JOINTS

Accurate Products Inc 135 N Spring St Indianapolis Ind
BENDIX PRODUCTS DIV Bendix Corp 401 N Bendix Dr South Bend 20 Ind
Blood Brothers Machine Co Div Rockwell Spring & Axle Co Allegan Mich
DANA CORP (SPICER) Standard Equipment Div 4100 Bennett Rd Toledo 1 Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Lord Mfg Co 1635 W 12th St Erie Pa
Mechanics Universal Joint Div Borg-Warner Corp 2020 Harrison Ave Rockford Ill
NAPCO INDUSTRIES INC Napco Axle Div 7th & Lyndale Minneapolis 11 Minn
Neapco Products Inc South & Cross Sts Pottstown Pa
SAGINAW STEERING GEAR DIV General Motors Corp 3900 Holland Rd Saginaw Mich
Transit Parts Co 35700 Vine St Willoughby Ohio

UPPER CYLINDER LUBRICATORS—See Lubricators, Upper Cylinder
UPPER CYLINDER OILS—See Additives
VACUUM BRAKE HOSE—See Hose, Vacuum Brake
VACUUM BRAKES—See Brakes, Vacuum System & Parts

REMEMBER: Vehicle makers offer parts and components for their own vehicles. Generally it is not possible to list them under all the product headings involved. Also many makers have a line of reconditioned (by qualified local rebuilders) parts and components, and some supply parts and components for other makers' vehicles. Vehicle makers who have a separately named division for handling parts and components are listed under the heading "Replacement Parts". Otherwise the address is as shown under the appropriate vehicle heading. For example, "Trucks" or "Trailers".

VACUUM CLEANERS

BLACK & DECKER MFG CO 629 Pennsylvania Ave Towson 4 Md
BARRETT EQUIPMENT CO 2101 Cass Ave St Louis 6 Mo
Choldun Mfg Corp 331 East St New Haven Conn
ROSS & WHITE (Buck Cyclone For Buses) 400 W Madison St Chicago 6 Ill

VACUUM GAGES (Engine)

Allen Electric & Equipment Co 2101 N Pitcher St Kalamazoo 13F Mich
Auto Test Inc 600 S Michigan Ave Chicago 5 Ill
Du Mont Laboratories Inc Allen B Div Fairchild Camera & Instrument Corp 750 Bloomfield Ave Clifton N J
ELECTRIC AUTOLITE CO THE (PRESTOLITE) Toledo 1 Ohio
HASTINGS MFG CO Hanover St Hastings Mich
Heyer Industries Inc 500 Cortland St Belleville 9 N J
Kal-Equip Co 411 Washington St Otsego Mich
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
King Electric Equipment Co 9123 Inman Ave Cleveland 5 Ohio
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
Niehoff & Co C E 4925 W Lawrence Ave Chicago 30 Ill
Rinck-McIlwaine Inc 16 Hudson St New York 13 N Y
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
STANDARD MOTOR PRODUCTS INC 37-08 Northern Blvd Long Island City N Y
STEWART-WARNER CORP Instrument Div 1840 Diversey Pkwy Chicago 14 Ill
Sun Electric Corp Harlem & Avondale Chicago 31 Ill
WEIDENHOFF CORP Hwy #18 Algona Iowa

VACUUM HOSE—See Hose, Vacuum

VALVES

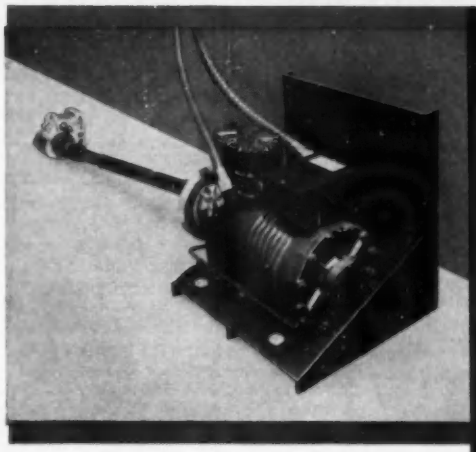
VALVES, AIR BRAKE—See Brakes, Air Systems & Parts

VALVES, Air Tank Drain

BENDIX WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO 901 Cleveland Rd Elyria Ohio
Champion Pneumatic Machinery Co 825 N Pleasant St Princeton Ill
De Vilbiss Co 300 Phillips Ave Toledo 1 Ohio
George Mfg Co 10 W Harvey St Philadelphia 44 Pa
Monroe Standard Inc 217 Wyandot Bldg Galion Ohio
POWER BRAKE EQUIPMENT CO 1632 S E 11th Ave Portland 14 Ore
Quincy Compressor Co 217 Maine St Quincy Ill
Sealco Air Brakes Inc 13530 Nelson St City of Industry Calif

GREATEST
COOLING CAPACITY
PER DOLLAR

The NEW ARCTIC TRAVELER SUPER LEADER



Heart of the Arctic Traveler Super Leader is this revolutionary hermetic type motor-compressor which supplies the refrigerant to the lightweight nose mounted refrigeration unit. The 220 Volt 3 H.P. motor and compressor are linked on the same shaft and are sealed in one housing. When driven by a high speed, heavy duty PTO in over-the-road operation, armature serves as a flywheel to minimize vibration. During plug-in operation, PTO is automatically disengaged by a magnetic clutch.

PROVIDING . . .

- **25% Greater Cooling Capacity**
- **Automatic Temperature Control from 0°F. to 75°F. Winter Heat**
- **Automatic Defrost—Removes Excessive Moisture... No Frost Build-up...No Lengthy Drying Out Periods**
- **Maximum Economy and Super Dependability**

With the addition of the new Super Leader to the popular Arctic Traveler Leader Series, there's now a model to specifically meet every delivery truck requirement. All models are available with electric motors when stand-by operation is desired. Two models are also available with a skirt mounted, gasoline driven power package which makes the system completely independent of the truck engine. All Leaders possess the same outstanding features and are ideal for delivery of meat, dairy products and most frozen foods.

See your Arctic Traveler dealer or write for details.

ARCTIC TRAVELER
DIVISION OF
AMERICAN MANUFACTURING COMPANY
Montgomery 2, Alabama

VALVES, Air Tank Drain—continued

Velvac Inc 3534 W Pierce St Milwaukee 15 Wis
WAGNER ELECTRIC CORP 6470 Plymouth Ave St Louis 33 Mo
WEATHERHEAD CO 300 E 131st St Cleveland 8 Ohio

VALVES, BREAKAWAY (FOR BRAKES)—See Brakes, Air Systems & Parts

VALVES, Fuel Tank

BETTS MACHINE CO 1800 Pennsylvania Ave W Warren Pa
Edelmann & Co E 2332 Logan Blvd Chicago 47 Ill
Hoof Products Co 6543 S Laramie Ave Chicago 38 Ill
Imperial Brass Mfg Co 6300 W Howard St Chicago 48 Ill
MANNING MAXWELL & MOORE INC Consolidated Ashcraft Hancock Div Stratford Conn
Skinner Electric Valve Div Skinner Chuck Co Edgewood Ave New Britain Conn
Smith Corp A O P O Box 584 Milwaukee 1 Wis
WEATHERHEAD CO 300 E 131st St Cleveland 8 Ohio

VALVES, Hydraulic

Blackhawk Automotive Div Blackhawk Mfg Co 5325 W Rogers St Milwaukee 46 Wis
Eaton Mfg Co Saginaw Div 1000 Rust St Saginaw Mich
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
GARRISON MFG CO INC 4609 E Shelia St E Los Angeles 22 Cal
HEIN-WERNER CORP 1200 National Ave Waukesha Wis
MONARCH ROAD MACHINERY CO 1331 Michigan St N E Grand Rapids 3 Mich
OWTONNA TOOL CO 341 N Cedar St Owatonna Minn
SUNDSTRAND HYDRAULIC DIV Sundstrand Corp 2210 Harrison Ave Rockford Ill
Vickers Inc 1815 Locust St St Louis 3 Mo

VALVES, Intake & Exhaust

ALLIED AUTOMOTIVE PARTS CO 1450 E 19th St Indianapolis 7 Ind
ALUMINUM INDUSTRIES INC 3670 Werk Rd Cincinnati 11 Ohio
EATON MFG CO Valve Div 20th St Battle Creek Mich
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
G N ENGINE PARTS DIV First Nat'l Bank Bldg St Paul 1 Minn
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis Mo
Rich Mfg Corp 96 N Division St Battle Creek Mich
SEALED POWERED CORP 2001 Sanford St Muskegon Heights Mich
THOMPSON PRODUCTS REPLACEMENT DIV Thompson-Ramo-Wooldridge Inc 6402 Cedar Ave Cleveland 3 Ohio

VALVES, Safety or Emergency (For Safeguarding Tanks)

BETTS MACHINE CO 1800 Pennsylvania Ave W Warren Pa
MANNING MAXWELL & MOORE INC Consolidated Ashcraft Hancock Div Stratford Conn
MIDLAND-ROSS CORP Owosso Div 490 S Chestnut St Owosso Mich
POWER BRAKE EQUIPMENT CO 1632 S E 11th Ave Portland 14 Ore
Robinson Engineering & Sales 16550 Wyoming Ave Detroit Mich

VALVES, TIRE—See Tire Valves & Caps

VALVE GUIDES

Accurate Products Inc 135 N Spring St Indianapolis Ind
ALLIED AUTOMOTIVE PARTS CO 1450 E 19th St Indianapolis 7 Ind
ALUMINUM INDUSTRIES INC 3670 Werk Rd Cincinnati 11 Ohio
Eaton Mfg Co Saginaw Div 1000 Rust St Saginaw Mich
Elgin Machine Works Inc 412 N State St Elgin Ill
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
G N ENGINE PARTS DIV First Nat'l Bank Bldg St Paul 1 Minn
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis
K-D MFG CO 526 N Plum St Lancaster Pa
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis Mo
PERFECT CIRCLE CORP 552 S Washington St Hagerstown Ind
Rich Mfg Corp 96 N Division St Battle Creek Mich
SEALED POWER CORP 2001 Sanford St Muskegon Mich
Standard Automotive Parts Co 660 Nims St Muskegon Mich
THOMPSON PRODUCTS REPLACEMENT DIV Thompson-Ramo-Wooldridge Inc 6402 Cedar Ave Cleveland 3 Ohio

VALVE GUIDE TOOLS—See Tools, Valve Guide

VALVE REFACERS

ALBERTSON & CO INC (Sioux Tools) 3100 Lowell Ave Sioux City 3 Iowa
BLACK & DECKER MFG CO 629 Pennsylvania Ave Towson 4 Md
CEDAR RAPIDS ENGINEERING CO (Kwik-Way) 902 17th St N E Cedar Rapids 1 Iowa
Hall Toledo Inc 2931 South Ave Toledo 9 Ohio
Lee Co K O 110 First Ave Aberdeen S D
Skil Corp 5033 Elston Ave Chicago 30 Ill
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Thor Power Tool Co 175 N State St Aurora Ill
Tobin-Arp Mfg Co 6400 Penn Ave S Minneapolis 23 Minn
VAN NORMAN MACHINE CO DIV Van Norman Industries Inc 3640 Main St Springfield 7 Mass
Wilson Inc K R Arcade N Y

VALVE ROTATORS

ALLIED AUTOMOTIVE PARTS CO 1450 E 19th St Indianapolis 7 Ind
ALUMINUM INDUSTRIES INC 3670 Werk Rd Cincinnati 11 Ohio
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
SEALED POWER CORP 2001 Sanford St Muskegon Mich
THOMPSON PRODUCTS REPLACEMENT DIV Thompson-Ramo-Wooldridge Inc 6402 Cedar Ave Cleveland 3 Ohio

VALVE SEATS

ALLIED AUTOMOTIVE PARTS CO 1450 E 19th St Indianapolis 7 Ind
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
G N ENGINE PARTS DIV First Nat'l Bank Bldg St Paul 1 Minn
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
THOMPSON PRODUCTS REPLACEMENT DIV Thompson-Ramo-Wooldridge Inc 6402 Cedar Ave Cleveland 3 Ohio

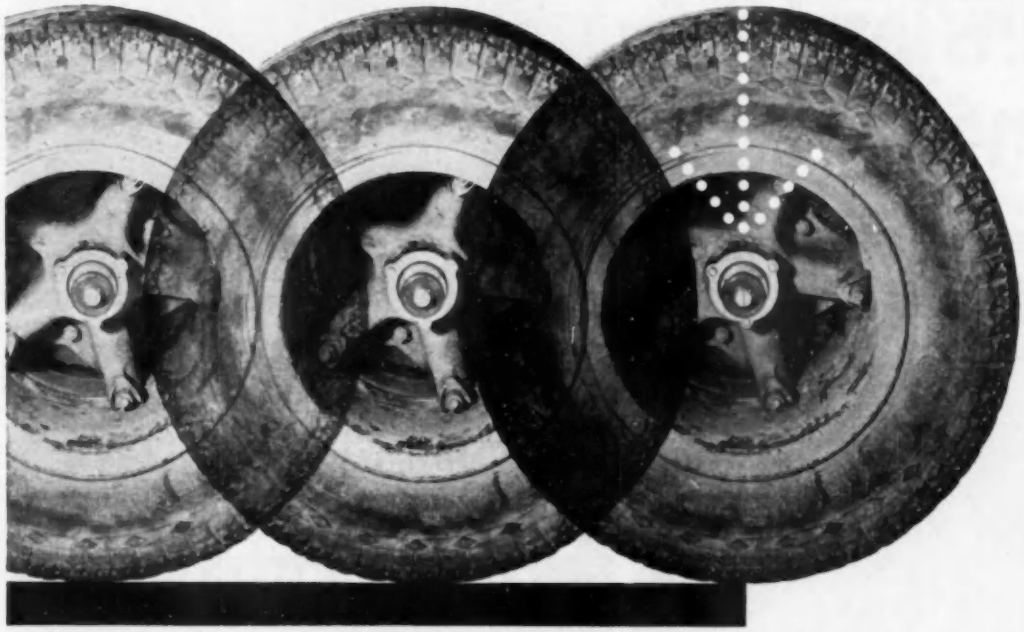
VALVE SEAT GRINDERS

ALBERTSON & CO INC (Sioux Tools) 2801 Floyd Blvd Sioux City 2 Iowa
BLACK & DECKER MFG CO 629 Pennsylvania Ave Towson 4 Md
CEDAR RAPIDS ENGINEERING CO (Kwik-Way) 902 17th St N E Cedar Rapids 1 Iowa
Duro Metal Products Co 2649 N Kildare Ave Chicago 39 Ill
Hall Toledo Inc 2931 South Ave Toledo 9 Ohio
K-D MFG CO 526 N Plum St Lancaster Pa
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
New Britain Machine Co Hand Tools Div South St New Britain Conn
OWATONNA TOOL CO 341 N Cedar St Owatonna Minn
Skil Corp 5033 Elston Ave Chicago 30 Ill
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Thor Power Tool Co 175 N State St Aurora Ill
Wilson Inc K R Arcade N Y

VALVE SEAT INSERTS

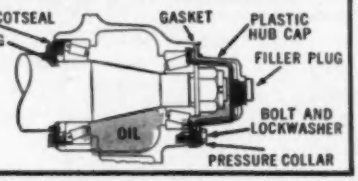
ALLIED AUTOMOTIVE PARTS CO 1450 E 19th St Indianapolis 7 Ind
ALUMINUM INDUSTRIES INC 3670 Werk Rd Cincinnati 11 Ohio
Eaton Mfg Co Saginaw Div 1000 Rust St Saginaw Mich
G N ENGINE PARTS DIV First Nat'l Bank Bldg St Paul 1 Minn
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis

now... C/R SCOTSEAL™ for most heavy duty axles on the road today!



HERE'S HOW IT WORKS

All elements shown in solid green are included in the SCOTSEAL Kit. Unit illustrated: Fruehauf No. 5 axle.



■ **What's big news in the truck industry—it's the C/R SCOTSEAL! SCOTSEAL is the trailer axle oil sealing kit that gives you oil lubrication of wheel bearings for outstanding advantages.**

Now . . . C/R SCOTSEAL can be used with all these axles: FRUEHAUF No. 5 (to 1960 early and 1960 late to current); 18,000 lb. CLARK; NABORS "NU"; SHULER 18A, A-19 B&C; STANDARD FORGE A-17 18,000 lb.; TIMKEN 17,000 lb.; 18,000 lb. TK 500 Series.

C/R SCOTSEAL brings you all these economies—1. No more grease repacks—oil lasts from one brake reline to next. 2. No burned-out bearings due to delayed repacking. 3. Less drag, lost power and fuel waste because SAE-30 oil remains free-flowing summer and winter. 4. More complete protection for brake blocks against grease leakage.

C/R SCOTSEAL is available in kit or individual parts and is rapidly gaining approval as standard equipment with trailer and axle manufacturers.

Try C/R SCOTSEAL and see the savings! Some fleet operators report that it costs up to $50 (grease and labor) to repack 2 axles per 10,000 miles. SCOTSEAL shaves this considerably.

WRITE FOR SCOTSEAL BULLETIN! This brochure gives you all the details on SCOTSEAL. Write C/R today or ask your C/R supplier.

SEAL OF PROVED PERFORMANCE

CHICAGO RAWHIDE MANUFACTURING COMPANY

SERVICE SALES DIVISION • CHICAGO 22, ILLINOIS

In Canada: Chicago Rawhide Products Canada Limited, Brantford, Ontario
Export: Geon International Corp., Great Neck, New York

long haul or pension run

faster, safer, more dependable delivery with VORNADO TRUCK CAB AIR CONDITIONING

OTHER OUTSTANDING FEATURES:

- **The only refrigerant pre-charged system on the market today. (accurately pre-charged in the factory)**
- **No refrigerant specialist needed, any mechanic can easily install it. (attach quick connect refrigerant lines, and use)**
- **Self-contained power unit eliminates drain on the truck engine.**
- **Nation wide sales and service centers.**
- **Low cost leasing programs also available.**

Write for complete information

MAIL TODAY

AUTOMATIC RADIO MFG. CO., INC.
122 Brookline Ave.
Boston 15, Massachusetts

NAME _____

COMPANY _____

ADDRESS _____

CITY _____ STATE _____

Vornado Truck Cab Air Conditioning combats heat exhaustion, blurred vision and abdominal cramps . . . increases depth perception, keeps truck operators alert and mentally aware. They drive more safely, arrive at their destination feeling fresher, comfortably cool, and less fatigued.

Dependable delivery means customer satisfaction and results in greater profits for you. Install Vornado Truck Cab Air Conditioning in all your trucks — a quality product by Automatic Radio Mfg. Co., Inc.

AUTOMATIC RADIO

VORNADO TRUCK CAB AIR CONDITIONER DIVISION

VALVE SEAT INSERTS—continued

McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
THOMPSON PRODUCTS REPLACEMENT DIV Thompson-Ramo-Wooldridge Inc 6402 Cedar Ave Cleveland 3 Ohio
Wausau Motors Parts Co P O Box 318 Schofield Wis

VALVE SEAT INSTALLING TOOLS —See Tools, Valve Seat Installing

VALVE SPRINGS

ALLIED AUTOMOTIVE PARTS CO 1450 E 19th St Indianapolis 7 Ind
Accurate Products Inc 135 N Spring St Indianapolis Ind
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
G N ENGINE PARTS DIV First Nat'l Bank Bldg St Paul 1 Minn
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
SEALED POWER CORP 2001 Sanford St Muskegon Mich
Silver Seal Products Co Inc 1728 Howard St Lincoln Park Mich
THOMPSON PRODUCTS REPLACEMENT DIV Thompson-Ramo-Wooldridge Inc 6402 Cedar Ave Cleveland 3 Ohio

VALVE SPRING TESTERS—See Testers, Valve & Clutch Spring

VALVE TAPPETS

Accurate Products Inc 135 N Spring St Indianapolis Ind
ALLIED AUTOMOTIVE PARTS CO 1450 E 19th St Indianapolis 7 Ind
Allied Precision Products 600 San Cristopher Dr Dunedin Fla
Eaton Mfg Co Saginaw Div 1000 Rust St Saginaw Mich
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
G N ENGINE PARTS DIV First Nat'l Bank Bldg St Paul 1 Minn
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
SEALED POWER CORP 2001 Sanford St Muskegon Heights Mich
THOMPSON PRODUCTS REPLACEMENT DIV Thompson-Ramo-Wooldridge Inc 6402 Cedar Ave Cleveland 3 Ohio
WOHLERT CORP 708 E Grand River Ave Lansing 6 Mich

VARNISH REMOVERS—See Paint Removers
VEHICLE SIGNS—See Signs, Vehicle
VENTILATORS, CRANKCASE—See Crankcase Ventilators
VENTILATING FANS—See Fans, Exhaust

VENTILATORS, Bus & Truck

EVANS PRODUCTS CO Heating and Ventilating Div 13101 Eckles Rd Plymouth Mich
Huppower Div Hupp Corp 7450 Melville St Detroit 17 Mich
KYSOR HEATER CO 1100 W Wright St Cadillac Mich
Polar Hardware Mfg Co 3882 Lawrence Ave Chicago 25 Ill

VENTILATORS, Exhaust Gas

COOPER TIRE AND RUBBER CO Lima & Western Aves Findlay Ohio
De Vilbiss Co 300 Phillips Ave Toledo 1 Ohio
Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
National System of Garage Ventilation Inc 138 W William St Decatur Ill

VISES, PISTON—See Piston Vises
VISES, PISTON PIN—See Piston Pin, Vises
VOLTAGE REGULATORS—See Regulators
VULCANIZERS, TIRE—See Tire Vulcanizers
WARNING DEVICES, CARBON MONOXIDE—See Alarms, Carbon Monoxide
WARNING LIGHTS or BUZZERS—See Signals

WASHERS (Fountain Brushes & Mops)

Brulin & Co 2939-45 Columbia Ave Indianapolis 7 Ind
Flour City Brush Co 1501 Fifth Ave South Minneapolis 4 Minn
Fuller Brush Co Industrial Div Fuller Park Hartford 15 Conn
K C Fountain Brush Co 3718 Main St Kansas City 11 Mo
Laitner Brush Co 2000 Brooklyn Ave Detroit 26 Mich
MILWAUKEE DUSTLESS BRUSH CO 530 N 22nd St Milwaukee 3 Wis
Ramson Brush Co 1051 W Division St Chicago 22 Ill
Wilson Inc K R Arcade N Y

WASHERS, METAL PARTS—See Cleaning Tanks

WASHERS, Vehicle

ACME EQUIPMENT INC 505 Central Trust Bldg Altoona Pa
Aeroil Products Co 69 Wesley St South Hackensack N J
Balcrank Inc Disney St nr Marburg Cincinnati 9 Ohio
Bean Division John FMC Corp 1305 S Cedar St Lansing 4 Mich
Champion Pneumatic Machinery Co 825 N Pleasant St Princeton Ill
Choldun Mfg Corp 331 East St New Haven Conn
Curtis Mfg Co Pneumatic Div 1927 Kienlen Ave St Louis 33 Mo
GRAY CO INC 760 Graco Sq Minneapolis 13 Minn
HYPRESSURE JENNY DIV Homestead Valve Mfg Co Narrows Run Rd Coraopolis Pa
Jetomatic Inc 150 Wakelle Ave Ansonia Conn
Kelite Products Inc 1250 N Main St Los Angeles 12 Cal
Lincoln Engineering Co 4010 Goodfellow Blvd St Louis 20 Mo
Malsbary Mfg Co 845—92nd Ave Oakland 3 Cal
OAKITE PRODUCTS INC 52G Rector St New York 6 N Y
ROSS & WHITE CO 400 W Madison St Chicago 6 Ill
Sellers Injector Corp 1600 Hamilton St Philadelphia 43 Pa
Turco Products Inc 24600 S Main St North Wilmington Cal
Weaver Mfg Div Dura Corp 2177 S Ninth St Springfield Ill
WOHLERT CORP 708 E Grand River Ave Lansing 6 Mich

WASHING COMPOUNDS—See Cleaning Compounds

WATER PUMPS

Airtex Automotive Div Airtex Products Inc 407 W Main St Fairfield Ill
ALLIED AUTOMOTIVE PARTS CO 1450 E 19th St Indianapolis 7 Ind
ALUMINUM INDUSTRIES INC 3670 Werk Rd Cincinnati 11 Ohio
BORG-WARNER SERVICE PARTS CO 6 N Michigan Ave Chicago 2 Ill
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Grover Products Co 1233 S Hope St Los Angeles 15 Cal
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis
McQUAY-NORRIS MFG CO 2320 Marconi Ave St Louis 10 Mo
MOPAR PARTS & ACCESSORIES Chrysler Motors Corp P O Box 1718 Detroit 31 Mich
Muskegon Piston Ring Co 1839 Sixth St Muskegon Mich
SEALED POWER CORP 2001 Sanford St Muskegon Hts Mich
SCHWITZER CORP 1100 Massachusetts Ave Indianapolis 7 Ind
THOMPSON PRODUCTS REPLACEMENT DIV Thompson-Ramo-Wooldridge Inc 6402 Cedar Ave Cleveland 3 Ohio
WOHLERT CORP 708 E Grand River Ave Lansing 6 Mich

WATER TEMPERATURE GAGES

AC SPARK PLUG Electronics Div General Motors Corp 1300 N Dort Hwy Flint 2 Mich
Accurate Products Inc 135 N Spring St Indianapolis Ind
ELECTRIC AUTOLITE CO THE (PRESTOLITE) Toledo 1 Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
K-D MFG CO 526 N Plum St Lancaster Pa
KING-SEELEY THERMOS CO 315 S First St Ann Arbor Mich
STEWART-WARNER CORP Instrument Div 1840 Diversey Pkwy Chicago 14 Ill
WOHLERT CORP 708 E Grand River Ave Lansing 5 Mich

WAX—See Polish & Wax
WEIGHTS, WHEEL BALANCING—See Wheel Balancing Weights

WELDING

WELDERS & EQUIPMENT, Electric

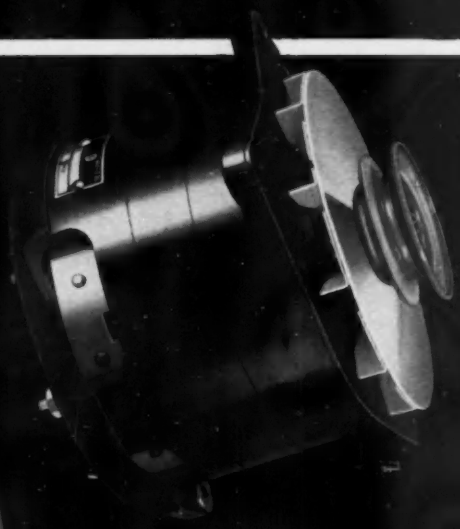
Hobart Bros Co Hobart Sq Troy 1 Ohio
Lincoln Electric Co 22801 St Clair Ave Cleveland 17 Ohio

Leece-Neville
QUALITY ELECTRICAL EQUIPMENT
SINCE 1909

ALTERNATORS

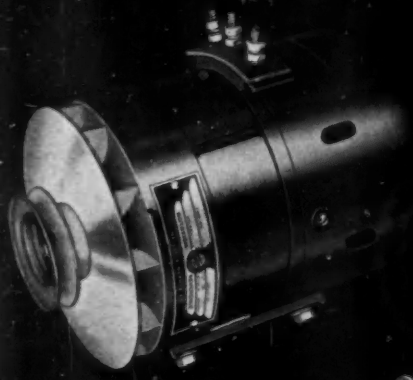
TO MATCH ANY JOB REQUIREMENT

2074 SERIES
6, 12, 24, 32 Volt—60 Amp.
Medium-Heavy Duty for
cars, trucks, marine, industrial



2038 SERIES
6, 12, 24, 32 Volt—60 Amp.
for marine, other corrosion
factor applications

6000 SERIES
6 and 12 Volt—40 Amp.
Light-Medium Duty for
cars, trucks, marine



2000 SERIES
6, 12, 24, 32 Volt—100-125 Amp.
Heavy Duty—Extra H.D. for
cars, trucks, marine, railroads, industrial

2064 SERIES
12 Volt—150 Amp.
Extra Heavy Duty for
buses, earthmovers, etc.

5300 SERIES
24 Volt—100 Amp.
. . . military applications

OTHER LEECE-NEVILLE HEAVY DUTY ELECTRICAL PARTS

More than 300 different alternators—each designed to provide adequate electrical power, save batteries, eliminate downtime and cut maintenance expense—are manufactured by Leece-Neville. The first alternators for automotive use were placed in service by Leece-Neville in 1945. Today, after 16 years of extensive and varied field service, the Leece-Neville line includes 6, 12, 24 and 32 Volt positive or negative ground types (all reversible) to fit almost any type of vehicle or match any electrical power requirement.

Leece-Neville also is a leading original equipment and replacement supplier of other quality electrical equipment such as illustrated at the right. All are designed for peak performance and long life.

Nationwide sales and service—for replacement alternators or other L-N parts, or for qualified service, contact any of the more than 1200 strategically located Leece-Neville Service Distributors.

New vehicle specifications—Leece-Neville alternators and other electrical parts are available as factory-installed equipment on most new vehicles. For more information, or for assistance in specifying the correct Leece-Neville alternator on your vehicles, just mail the coupon below.

QUALITY ELECTRICAL EQUIPMENT
Leece-Neville
SINCE 1909

The Leece-Neville Company, Dept. CC-11
1374 East 51st Street, Cleveland 3, Ohio

Please send me:

- ☐ Name of nearest L-N distributor
- ☐ Literature (specify product)_____
- ☐ Help in specifying correct factory-installed alternators.

*Name*_____ *Title*_____

*Company*_____

*Address*_____

*City*_____ *Zone*____ *State*_____

More details? Circle 195 on reply card inside back cover

Introducing the fleet 1960 Valiant

WELDERS & EQUIPMENT, Electric—continued

Mallory & Co P R 76 S Gray St Indianapolis 6 Ind
MARQUETTE MFG CO Div Marquette Corp 307 E Hennepin Ave Minneapolis 14 Minn
Mercury Electric Corp 2311 Tauromee Ave Kansas City Mo
Smith Corp A O P O Box 584 Milwaukee 1 Wis
U S Electric Welder Corp 1253 Dorr St Toledo 7 Ohio
Westinghouse Electric Corp 3 Gateway Center P O Box 2278 Pittsburgh 3 Pa

WELDERS & EQUIPMENT, Oxy-Acetylene

Air Reduction Sales Co Div Air Reduction Co Inc Socony-Mobil Bldg 150 E 42nd St New York 17 N Y
Burdett Oxygen Co of Cleveland Inc 3300 Lakeside Ave Cleveland 14 Ohio
Linde Co Div Union Carbide Corp 270 Park Ave New York 17 N Y
LIQUID CARBONIC DIV General Dynamics Corp 135 S La Salle St Chicago 3 Ill
National Cylinder Gas Co Div of Chemetron Corp 840 N Michigan Ave Chicago 11 Ill

WELDING CABLES

American Steel & Wire Co Div U S Steel Corp Rockefeller Bldg Cleveland 13 Ohio
BELDEN MFG CO 415 S Kilpatrick St Chicago 80 Ill
Crescent Co Inc 20 Central Ave Pawtucket R I
Hobart Bros Co Hobart Sq Troy 1 Ohio
Lincoln Electric Co 22801 St Clair Ave Cleveland 17 Ohio
MARQUETTE MFG CO Div Marquette Corp 307 E Hennepin Ave Minneapolis 14 Minn
Roebling's Sons Corp John A Div Colorado Fuel & Iron 640 S Broad St Trenton N J
THERMOID DIV Porter Co H K 200 Whitehead Rd Trenton 6 N J

WELDING HOSE—See Hose, Welding

WELDING RODS

Air Reduction Sales Co Div Air Reduction Co Inc Socony-Mobil Bldg 150 E 42nd St New York 17 N Y
ALUMINUM CO OF AMERICA 1501 Alcoa Bldg Pittsburgh 19 Pa
American Steel & Wire Co Div U S Steel Corp Rockefeller Bldg Cleveland 13 Ohio
Bridgeport Brass Co 30 Grand St Bridgeport 2 Conn
Eutectic Welding Alloys Corp 40 172nd St Flushing 58 N Y
HARNISCHFEGER CORP P & H Construction & Mining Div 4400 W National Ave Milwaukee 46 Wis
Hobart Bros Co Hobart Sq Troy 1 Ohio
International Nickel Co 67 Wall St New York 5 N Y
Kaiser Aluminum & Chemical Corp 300 Lakeside Dr Oakland 12 Cal
Lincoln Electric Co 22801 St Clair Ave Cleveland 17 Ohio
Linde Co Div Union Carbide Corp 270 Park Ave New York 17 N Y
Mallory & Co P R 76 S Gray St Indianapolis 6 Ind
MARQUETTE MFG CO Div Marquette Corp 307 E Hennepin Ave Minneapolis 14 Minn
National Cylinder Gas Co Div of Chemetron Corp 840 N Michigan Ave Chicago 11 Ill
Page Steel & Wire Div American Chain & Cable Co P O Box 692 Monessen Pa
REVERE COPPER & BRASS INC 230 Park Ave New York 17 N Y
Smith Corp A O P O Box 584 Milwaukee 1 Wis
Westinghouse Electric Corp 3 Gateway Center P O Box 2278 Pittsburgh 3 Pa

WHEELS

WHEELS, Vehicle

ALUMINUM CO OF AMERICA 1501 Alcoa Bldg Pittsburgh 19 Pa
BUDD CO THE 12141 E Charlevoix Ave Detroit 15 Mich
CLARK EQUIPMENT CO Automotive Div Buchanan 3 Mich
DAYTON STEEL FOUNDRY P O Box 1022 1366 Miami Chapel Rd Dayton 1 Ohio
Differential Dual Wheel Div Anderson Bolling Mfg Co Grand Haven Mich
ERIE WHEELS DIV of Erie Malleable Iron Co 609 W 12th St Erie Pa
FIRESTONE STEEL PRODUCTS CO Div Firestone Tire & Rubber Co 1600 Firestone Pkwy Akron 1 Ohio
GUNITE FOUNDRIES Div Kelsey-Hayes Co 302 Peoples Ave Rockford Ill
Homan & Co Inc 511-13 Reading Rd Cincinnati 15 Ohio
Hutchens & Sons Metal Products Inc 2332 E Division St Rd Springfield Mo
KELSEY-HAYES CO 3600 Military Ave Detroit 32 Mich
MOTOR WHEEL CORP 735 E Saginaw St Lansing 3 Mich
Smith-Erie Div A O Smith Corp 1602 Wagner Ave Erie Pa
Webb Wheel Div American Steel & Pump Corp Lake Francis Dr Siloam Springs Ark

WHEEL ALIGNERS—See Alignment Equipment (Front End)

WHEEL BALANCING MACHINES

ALEMITE DIV Stewart-Warner Corp 1850 Diversey Pkwy Chicago 14 Ill
Bean Div John FMC Corp 1305 S Cedar St Lansing 4 Mich
BEAR MFG CO 2016 Fifth Ave Rock Island Ill
Bee-Line Co P O Box 569 Davenport Iowa
Bennett-Feragen 1408 Jerome St Niles Mich
Big-Four Industries Inc Maineville (Foster) Ohio
Hunter Engineering Co Hunter Ave & Ladue Rd St Louis 24 Mo
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Weaver Mfg Div Dura Corp 2177 S Ninth St Springfield Ill

WHEEL BALANCING WEIGHTS

Bean Div John FMC Corp 1305 S Cedar St Lansing 4 Mich
BEAR MFG CO 2016 Fifth Ave Rock Island Ill
Bennett-Feragen 1408 Jerome St Niles Mich
Big-Four Industries Inc Maineville (Foster) Ohio
Hunter Engineering Co Hunter Ave & Ladue Rd St Louis 24 Mo
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
SNAP-ON TOOLS CORP 8026-F 28th Ave Kenosha Wis
Weaver Mfg Div Dura Corp 2177 S Ninth St Springfield Ill
Wheel Weights Inc 122 S First St Ann Arbor Mich

WHEEL CHOCKS

Calumet Steel Castings Corp 1636 Summer St Hammond Ind
HOLMES CO ERNEST 2505 E 43rd St Chattanooga Tenn
Magline Inc 952 Murry Rd Pinconning Mich

WHEEL CYLINDERS—See Brakes, Hydraulic Systems & Parts

WHEEL DOLLIES

AUTO SPECIALTIES MFG CO INC 643 Graves St St Joseph Mich
Blackhawk Automotive Div Blackhawk Mfg Co 5325 W Rogers St Milwaukee 46 Wis
Cam Tool Co Inc 1038 Larkin St San Francisco Cal
Globe Hoist Co E Mermaid Lane & Queen St Philadelphia 18 Pa
KEN-TOOL MFG CO 768 E North St Akron 5 Ohio
UNITED PARTS DIV Echlin Mfg Co 1250 W Van Buren St Chicago 7 Ill
Walker Mfg Co of Wis 1201 Michigan Blvd Racine Wis
Weaver Mfg Div Dura Corp 2177 S Ninth St Springfield Ill

WHEEL HUBS

BUDD CO THE 12141 E Charlevoix Ave Detroit 15 Mich
DAYTON STEEL FOUNDRY P O Box 1022 1366 Miami Chapel Rd Dayton 1 Ohio
Fawick Brake Div Fawick Corp 9921 Clinton Rd Cleveland 9 Ohio
FORD DIV Ford Motor Co P O Box 658 Dearborn Mich
Hutchens & Son Metal Products Inc 2332 E Division St Rd Springfield Mo
KELSEY-HAYES CO 3600 Military Ave Detroit 32 Mich
MOTOR WHEEL CORP 735 E Saginaw St Lansing 3 Mich
SHULER AXLE CO 2901 Second St Louisville 8 Ky
WATSON CO H S 1316 67th St Emeryville 8 Cal

WHEEL PULLERS—See Pullers

inside back cover

Introducing the fleet 1962 Valiant—the compact nobody beats for value!

Proof? Plenty! When Valiant's on the go, it just has to save you dough. Take Valiant's standard Economy Six inclined engine, for example. One just like it scored 26.13 mpg in the 1961 Mobilgas Economy Run.

And speaking of run, this nickel-nursing Six will really go, if you say so. To match Valiant's performance in most other compacts at Valiant's low asking price you'd have to pay extra for an optional engine. Ask any traveling man—that's the kind of performance made for the man who has to drive 500 miles from daybreak to dark!

What's more, Valiant this year invites you to drive 32,000 miles between lubes on major chassis points! And you need change oil only half as often this year. Savings like that make any fleet buyer look good when carbon copies of the monthly cost accounting sheets start circulating. You know who gets the original!

So check initial cost. Consider lower insurance rates, reduced maintenance costs and more miles per gallon. Now look up Valiant's exceptionally high resale value. See why so many former full-size car fleet buyers are switching to Valiant these days? Maybe a smart move for you, too. Why not look into it . . . you know where . . . call your Plymouth-Valiant dealer. He'd welcome the opportunity of showing you this great car!

'62 Valiant

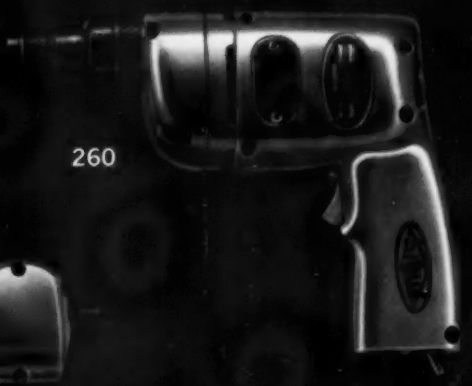
Quality-engineered by Chrysler Corporation

More details? Circle 196 on reply card inside back cover

More details? Circle 197 on reply card inside back cover

ELECTRIC SCREWDRIVERS

The 260 and 262 Super Screwdrivers offer extra power with a choice of clutches and speeds.



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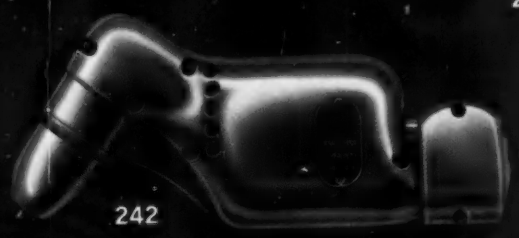

242

The 242 and 246 excel at getting into restricted areas, and offer a choice of clutches.

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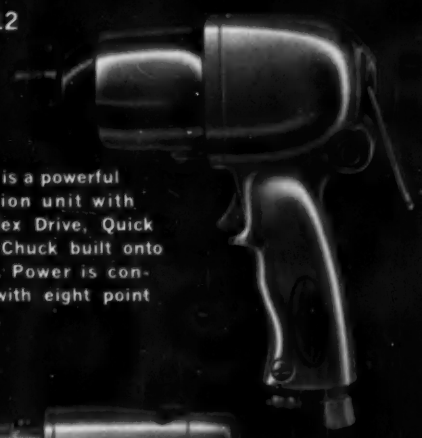
312



The 312 is a powerful production unit with 7/16" Hex Drive, Quick Change Chuck built onto spindle. Power is controlled with eight point selector.

303

The 303 Air Impact Screwdriver has a remote exhaust system. Power is varied with eight point selector.

Thanks to "Certified SIOUX Power" if your drill is a SIOUX you know what it will do. Horsepower and torque for each SIOUX Electric Drill is rated, certified and stated in the catalog. You know the power is there. If you've had a SIOUX Drill before, you know how long it continues to deliver that power. Extra long life means extra low cost per year.

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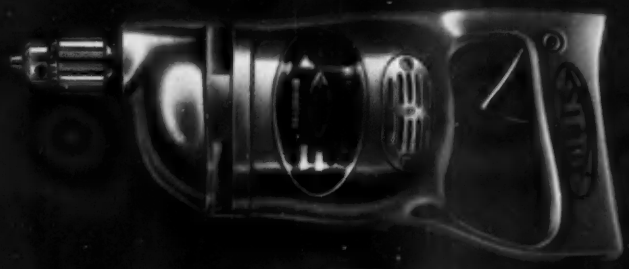

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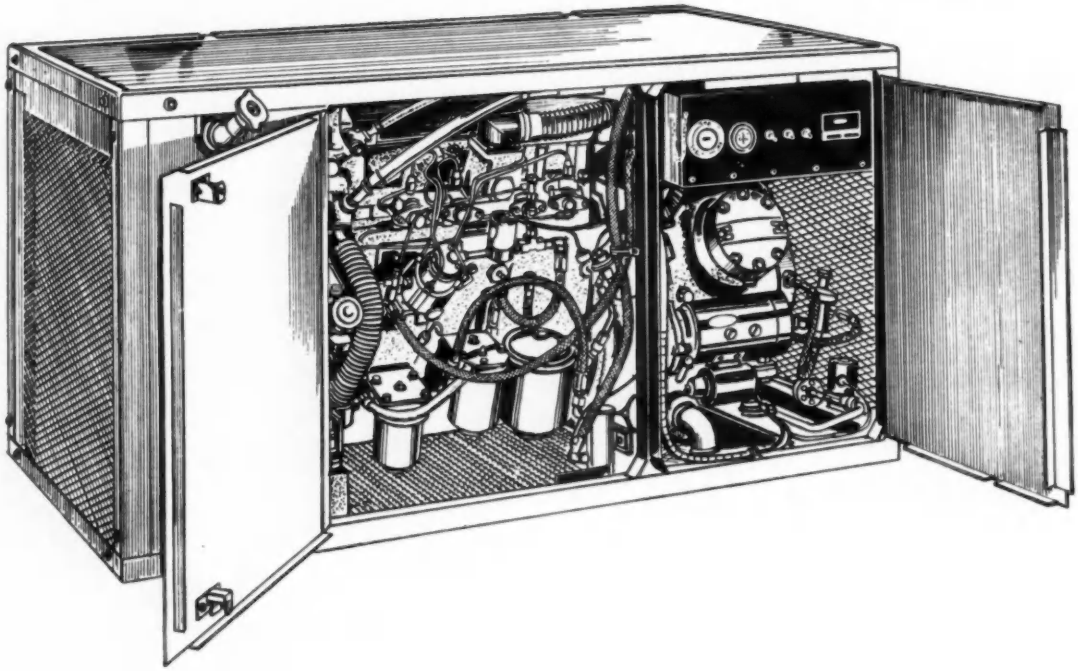

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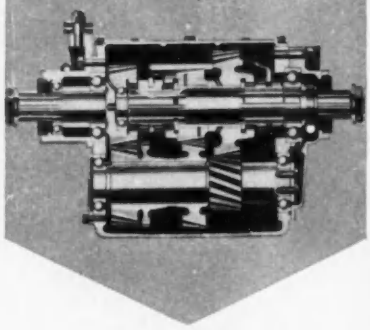

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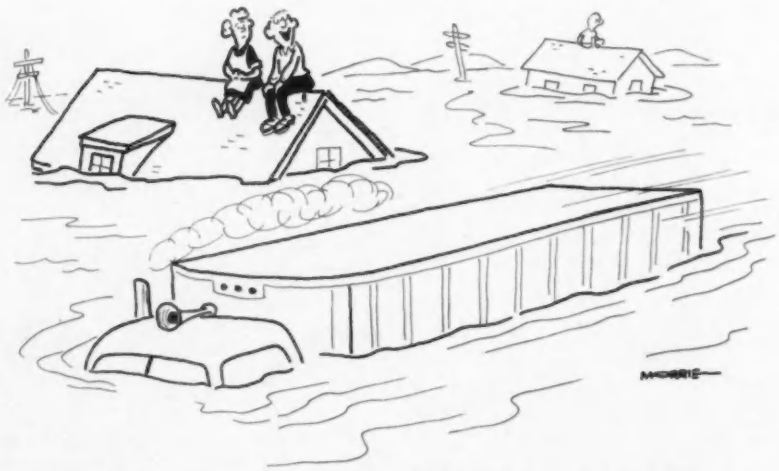

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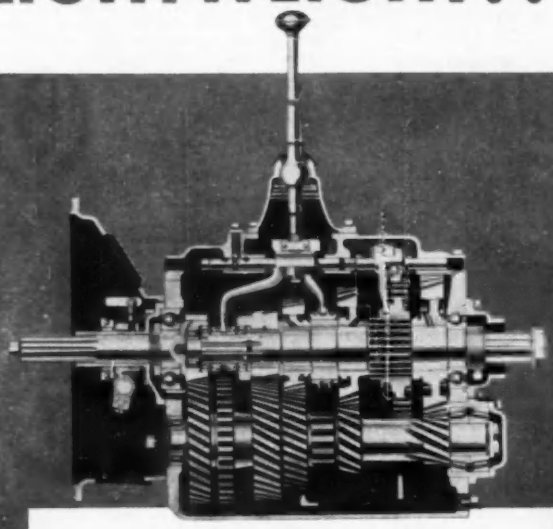

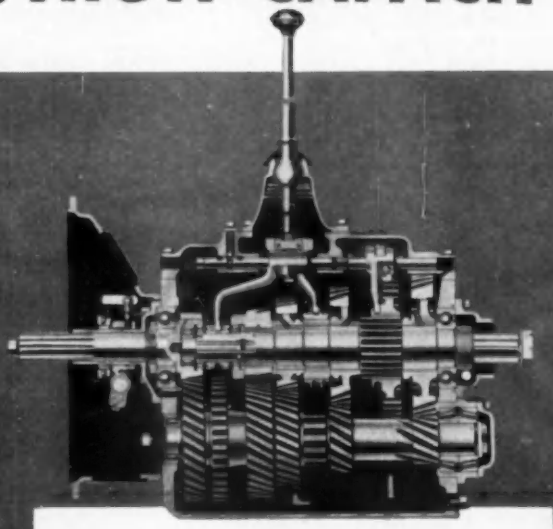

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2-speed auxiliaries,
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4th	1.17
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MOVERS & WAREHOUSEMEN'S ASSN. OF AMERICA, INC., Warner Bldg., N.W., Washington 4, D. C., Carroll F. Genovese, Exec. Sec.

NATIONAL ASSN. OF FLEET ADMINISTRATORS, INC., 176 E. Fifth St., St. Paul 1, Minn., S. H. Knight, Sec., c/o Northern Pacific Railway Co., St. Paul 1, Minn.

NATIONAL ASSN. OF MOTOR BUS OWNERS (1926), 839 17th St., N.W., Washington 6, D. C.

STAFF EXECUTIVES:

Arthur M. Hill, Pres.
Secretary-Manager—A. W. Koehler.
Asst. to Sec.-Mgr.—W. R. Longanecker.
General Counsel—Frederick S. Hill.
Dir. of Div. of Research & Statistics—Harold R. Hosea.

NATIONAL ASSN. OF REFRIGERATED WAREHOUSES, Tower Bldg. 1401 K St., N.W., Washington 5, D. C., Richard M. Powell, Exec. V. P.

NATIONAL ASSN. OF TAXICAB OWNERS, 803 Leader Bldg., Cleveland 14, Ohio, H. I. Gwilym, Sec.

NATIONAL AUTOMOBILE DEALERS ASSN. (1917), 2000 K St., N.W., Washington 6, D. C., James C. Moore, Exec. Vice Pres.

NATIONAL AUTOMOTIVE PARTS ASSN., 29 E. Madison St., Chicago 2, Ill., E. J. Muldoon, Gen. Mgr.

NATIONAL BUS TRAFFIC ASSN. INC. (1933), 506 S. Wabash Ave., Chicago. P. J. Campbell, Chairman.
North Central Division—1114 Currie Ave., Minneapolis, Minn., A. E. Peters, Chairman.
South Central Division—Broadway & English, Wichita 1, Kan., D. E. Moore, Chairman.
Southeastern Division—417 W. 5th St., Charlotte 1, N. C., J. H. Quattlebaum, Chairman.
Western Division—371 Market St., San Francisco, Cal., W. E. Hastings, Chairman.

NATIONAL CAR RENTAL SYSTEM, INC., 1015 Locust St., St. Louis 1, Mo., Walter J. Phillips, Exec. V. P.

NATIONAL COMMITTEE ON UNIFORM TRAFFIC LAWS AND ORDINANCES, 711-14th St., N.W., Washington 5, D. C., Robert Montgomery, Jr., Exec. Dir.

NATIONAL DEFENSE TRANSPORTATION ASSN., 1612 K St., N.W., Washington 6, D. C., Col. Francis W. Crary, U.S.A. Ret., Exec. V. P.

NATIONAL FILM CARRIERS, INC., 1239 Vine St., Philadelphia 7, Clint Weyer, Sec.

NATIONAL FURNITURE WAREHOUSEMEN'S ASSN., 175 W. Jackson Blvd., Chicago 4, Edward D. Byrnes, Consultant.

NATIONAL HIGHWAY USERS CONFERENCE, INC. (1932), National Press Bldg., Washington 4, D. C.

STAFF EXECUTIVES:

Director—Arthur C. Butler.
Research Counsel—Yule Fisher.
State Services Dept.—Harold Gray, Mgr.
Mgr. Legislative Reporting Dept.—Myles English.
Mgr. Public Info. Dept.—John E. Moore.
Safety Coordinator — William J. Simon.
Mgr. Special Services Dept.—G. Tinsley Garnett.

REGIONAL REPRESENTATIVES:
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James E. Basham, Prairie Village, Kansas (Ark., Kans., Mo. & Okla.).
Lawrence V. Venable, Seattle, Wash. (Idaho, Mont., Ore. & Wash.)
J. Olan Cooper, Auburn, Alabama (Ala., Fla. & Ga.)
Daniel J. McCarthy, Hazel Crest, Ill. (Ill., Iowa & Wis.)
Clark Cavett, Lebanon, Tennessee (Ky., La., Miss. & Tenn.)
Cecil Fausch, Minneapolis, Minn. (Minn., Nebr., N. D. & S. D.)
Pierre DuBois, Salt Lake City, Utah (Colo., Nev., Utah & Wyo.)
Glen B. Dunkle, Dallas, Tex. (Ariz., N. M. & Texas)
Temporarily Vacant (N. C., S. C., Va. & W. Va.)
Michael LePere, Okemos, Mich. (Ind., Mich. & Ohio)
David F. McQuaid, Nashua, N. H. (Maine, Mass., N. H., R. I. & Vt.)
John Thornton Newman, Albany, N. Y. (Conn. & N. Y.)
Norman J. Katen, San Francisco, Cal. (Cal. & Nev.)
George A. White, Arlington, Va. (Del., Md., N. J. & Pa.)
(See also State Highway Users Conferences)

NATIONAL SAFETY COUNCIL (1913), 425 N. Michigan Ave., Chicago 11.

STAFF EXECUTIVES:

Howard Pyle, President.
G. C. Stewart, Exec. V. P.
Alfred C. Finch, Mgr., Motor Transport Dept.

NATIONAL TRUCK LEASING SYSTEM (1945), 23 E. Jackson Blvd., Chicago 4, Ill., Miss Martha Dunlap, Exec. Dir.

NATIONAL TRUCK TANK & TRAILER TANK INSTITUTE, 120 S. LaSalle St., Chicago 3, Allan R. Smith, Exec. Sec.

NATIONAL WHEEL & RIM ASSN., 1032 Hendricks Ave., Jacksonville 7, Fla., B. H. Thomas, Exec. Dir.

PORTLAND CEMENT ASSN., 33 W. Grand Ave., Chicago 10, Ill., G. Donald Kennedy, Pres.; Richard G. Knox, Mgr., Public Relations Bureau.

PRIVATE TRUCK COUNCIL OF AMERICA, INC. (1939), (Formerly National Council of Private Motor Truck Owners, Inc.), 711-14th St., N.W., Washington 5, D. C., James D. Mann, Man. Dir.

RUBBER MANUFACTURERS ASSN., INC., 444 Madison Ave., New York 22, N. Y., Ross R. Ormsby, Pres.

SCHOOL BUS BODY MANUFACTURERS ASSN — TBEA INDUSTRY DIV., Suite 454, NADA Bldg., 2000 K St., N.W., Washington 6, D. C., Arthur H. Nuesse, Sec.

SOCIETY OF AUTOMOTIVE ENGINEERS, INC. (1905), 485 Lexington Ave., N. Y.

STAFF EXECUTIVES:

Sec. & Gen. Mgr.—Joseph Gilbert.
Engineering Activity Committees Div.—Wm. I. Marble, Mgr.
Meetings Operations & Displays—Robt. W. Crory, Mgr.
Sections, Membership & Students Div.—Hollister Moore, Mgr.
Technical Committee Div. — M. L. Stoner, Mgr.
SAE Journal — Norman G. Shidle, Editor.
SAE Technical Committee Branch Office—635 New Center Bldg., Detroit, Mich., G. J. Gaudaen, Mgr.
SAE Western Branch Office—714 W. Olympic Blvd., Los Angeles 15, Cal., E. W. Rentz, Jr., Mgr.
(See also SAE Sections and Groups)

SPRING RESEARCH INSTITUTE, 1008 Standard Bldg., 1370 Ontario St., Cleveland 13, Ohio, Ira Saks, Exec. Dir.

TIRE RETREADING INSTITUTE, A Div. of National Tire Dealers & Retreaders Assn., Inc., 1012 14th St., N.W., Washington 5, D. C.

TRANSPORTATION ASSN. OF AMERICA (1935), 1710 H St., N.W., Washington 6, D. C., Harold F. Hammond, Exec. Vice Pres.; Edith C. Krogh, Treas.

TRUCK BODY AND EQUIPMENT ASSN., INC. (1948), Suite 454, NADA Bldg., 2000 K St., N.W., Washington 6, D. C., Arthur H. Nuesse, Exec. Mgr.

TRUCK - TRAILER MANUFACTURERS ASSN., INC. (1941), Room 710, Albee Bldg., 1426 G St., N.W., Washington 5, D. C., John B. Hulse, Mgr.-Dir.

WESTERN HIGHWAY INSTITUTE (1947), 130 Montgomery St., San Francisco 4, Cal., John L. Springer, Exec. Dir.

STATE TRUCK ASSOCIATIONS

ALABAMA TRUCKING ASSN., INC. (1936), 422 Bell Bldg., Montgomery, J. I. Ritchie, Gen. Mgr.

ALASKA CARRIERS' ASSN., INC., P. O. Box 3-124, Anchorage, Edward R. Sanders, Man. Dir.

ARIZONA MOTOR TRANSPORT ASSN. (1939), Suite 201, 333 W. Indian School Rd., Phoenix 13, Emral Ruth, Man. Dir.

ARKANSAS BUS & TRUCK ASSN. INC. (1942), P. O. Box 2798, Little Rock, Marion G. Ward, Mgr. (Also buses.)

***PRIVATE TRUCK OWNERS BUREAU OF CALIF.**, 1625 Russ Bldg., San Francisco 4, Alan G. Anderson, Exec. Vice-Pres.

***AUTOMOTIVE COUNCIL OF LOS ANGELES, INC.**, P. O. Box 2272, Terminal Annex, Los Angeles 54, J. W. Williams, Pres.

CALIFORNIA TRUCKING ASSNS. INC. (1934), 3301 S. Grand Ave., Los Angeles 7, Wade Sherrard, Man. Dir. (Also offices at 841 Folger Ave., Berkeley; Room 219 Hotel Senator, Sacramento; and 155 S. Van Ness, Fresno.)

COLORADO MOTOR CARRIERS ASSN. (1939), 4060 Elati St., Denver 16, Fred Sievers, Man. Dir.

MOTOR TRANSPORT ASSN. OF CONNECTICUT, INC. (1930), 410 Asylum St., Hartford 3, John F. Maerz, Exec. V. P.

DELAWARE MOTOR TRANSPORT ASSN. (1939), P. O. Box 343, Dover, W. E. Barnard, Gen. Mgr.

DISTRICT OF COLUMBIA TRUCKING ASSN., INC. (1934), 1616 P St., N.W., Washington 6, D. C., Andrew W. Johnson, Exec. Sec.

FLORIDA TRUCKING ASSN. INC. (1934), 704 Gilmore St., Jacksonville, C. A. Gertner, Gen. Mgr.

GEORGIA MOTOR TRUCKING ASSN. INC. (1934), 500 Piedmont Ave., N.E., Atlanta 8, Sims Garrett, Jr., Exec. Vice Pres.

IDAHO MOTOR TRANSPORT ASSN. (1939), 416 Eastman Bldg., P. O. Box 834, Boise, Ollie M. Arbelbide, Man. Dir.

CENTRAL MOTOR FREIGHT ASSN., Suite 1111, Fisher Bldg., 343 S. Dearborn St., Chicago 4, William Noorlag, Jr., Gen. Mgr.

ILLINOIS MOTOR TRUCK OPERATORS ASSN. INC. (1924), 30 N. LaSalle St., Chicago 2, Walter E. McCarron, Exec. Dir.

INDIANA MOTOR TRUCK ASSN. INC. (1932), 2905 N. Meridian St., Indianapolis 8, James Nicholas, Gen. Mgr.

***PRIVATE TRUCK OWNERS of INDIANA, INC.**, 1127 Central Ave., Indianapolis 2, C. W. Abraham, Sec.

IOWA MOTOR TRUCK ASSN. INC. (1943), 314 Capitol City Bank Bldg., Des Moines 9, LeRoy Crowley, Exec. Sec.

* Affiliated with Private Truck Council of America, Inc.

KANSAS MOTOR CARRIERS ASSN. INC. (1936), 2900 S. Topeka Blvd., Topeka, J. R. Halladay, Man. Dir.

KENTUCKY MOTOR TRANSPORT ASSN., INC. (1924), 709-11 Republic Bldg., Louisville 2, Lew Ullrich, Man. Dir.

LOUISIANA MOTOR TRANSPORT ASSN. INC. (1939), 1216 Main St., Box 1326, Baton Rouge, James P. Babington, Exec. Dir.

MAINE TRUCK OWNERS ASSN. (1946), 5th Floor, 615 Congress St., Portland, Torben K. Andersen, Exec. Vice Pres. & Gen. Mgr.

MARYLAND MOTOR TRUCK ASSN. INC. (1935), 3000 Washington Blvd., Baltimore 30, Thomas E. Widerman, Gen. Mgr.

MASSACHUSETTS MOTOR TRUCK ASSN. INC. (1919), 262 Washington St., Boston 8, John M. Bresnahan, Sc. D., Exec. V. P.

MICHIGAN TRUCKING ASSN. INC. (1934), 300 Bauch Bldg., Lansing 23, Jack L. McNamara, Man. Dir.

MINNESOTA MOTOR TRANSPORT ASSN. (1932), 2451 University Ave., St. Paul 14, Oscar Z. Remsberg, Exec. Vice Pres. & Gen. Mgr.

MISSISSIPPI TRUCKING ASSN. INC. (1943), Suite 543 King Edward Hotel, Jackson, C. R. Bradley, Gen. Mgr.

MISSOURI BUS & TRUCK ASSN. (1937), 628 Jefferson St., Jefferson City, U. G. Lewellen, Mgr.

MONTANA MOTOR TRANSPORT ASSN. (1938), 912 Wyoming Ave., Box 1244, Billings, Leonard W. Eckel, Man. Dir.

NEBRASKA MOTOR CARRIERS ASSN. INC. (1924), Suite A, 500 S. 13th St., Lincoln, Paul Halpine, Sec.

NEVADA MOTOR TRANSPORT ASSN. (1939), P. O. Box 3037, 700 Ryland St., Reno, Robert F. Guinn, Man. Dir.

NEW HAMPSHIRE TRUCK OWNERS ASSN. INC. (1936), Box 665, 275 Hanover St., Manchester, A. J. Staby, Sec. Mgr.

NEW JERSEY MOTOR TRUCK ASSN. INC. (1915), 10 Hill St., Newark 2, D. J. Crecca, Exec. Dir.

NEW MEXICO MOTOR CARRIERS ASSN. (1938), Box 541, Albuquerque, Leslie R. Thomas, Man. Dir.

EMPIRE STATE HIGHWAY TRANSPORTATION ASSN. INC., 111 Fourth Ave. (12th St.), New York 3, Joseph M. Adelizzi, Man. Dir.

NORTH CAROLINA MOTOR CARRIERS ASSN. INC. (1929), 219 W. Martin St., Raleigh, N. C., J. T. Outlaw, Exec. V. P.

NORTH DAKOTA MOTOR CARRIERS ASSN. INC. (1934), P. O. Box 874, 110 Third St., Bismarck, George H. Engelter, Sec.-Mgr.

OHIO TRUCKING ASSN. INC. (1918), Hotel Deshler-Hilton, Columbus 15, Donald B. Smith, Interim Man. Dir.

ASSOCIATED MOTOR CARRIERS OF OKLAHOMA, INC. (1932), P. O. Box 983, Suite 2315, Oklahoma-Biltmore Hotel, Oklahoma City, Fisher Muldrow, Exec. V. P.

OREGON TRUCKING ASSNS. INC. (1939), Suite 2307, Lloyd Center, Portland, Ore., Robert R. Knipe, Man. Dir.

PENNSYLVANIA MOTOR TRUCK ASSN. INC. (1928), 7th Floor, Telegraph Bldg., Harrisburg, Pa., Edward Gogolin, Gen. Mgr.

RHODE ISLAND TRUCK OWNERS ASSN. INC. (1931), 49 Weybosset St., Providence 3, R. I., Mrs. L. M. Daly, Exec. Sec.

MOTOR TRANSPORTATION ASSN. OF SOUTH CAROLINA, INC. (1933), 2425 Devine St., Columbia 5, William B. Love, Jr., Gen. Mgr.

ASSOCIATED MOTOR CARRIERS, INC. OF SOUTH DAKOTA (1937), P. O. Box 496, 104 West 8th St., Sioux Falls, S. D., E. R. Nelson, Gen. Mgr.

TENNESSEE MOTOR TRANSPORT ASSN., INC. (1934), Hermitage Hotel Office Bldg., Nashville 3, Bob Mullins, Mgr.

***PRIVATE TRUCK OWNERS ASSN. OF TEXAS, INC.**, Box 1091, Littlefield Bldg., Austin, Carl C. Hardin, Exec. V. P.

TEXAS MOTOR TRANSPORTATION ASSN., INC. (1932), 406 E. 11th St., P. O. Box 92, Austin 61, James E. Taylor, Exec. Dir. (Also buses.)

UTAH MOTOR TRANSPORT ASSN., INC. (1932), 208 W. 8th St., S., Box 686, Salt Lake City 10, L. Darrel Welling, Mgr.

VERMONT TRUCK & BUS ASSOCIATION, INC. (1934), P. O. Box 288, Montpelier, Vt., W. L. McKee, Mgr.

VIRGINIA HIGHWAY USERS ASSN., INC. (1931), Box 1397, Jefferson Hotel, Richmond 11, E. H. Williams, Jr., Exec. V. P.

WASHINGTON MOTOR TRANSPORT ASSN., INC. (1923), 4101 4th Ave., S., Seattle, William E. Hicks, Man. Dir.

WEST VIRGINIA MOTOR TRUCK ASSN., INC. (1936) 303 Duffy St., Box 5217, Charleston, Emmett J. Bush, Man. Dir.

WISCONSIN MOTOR CARRIERS ASSN. (1931), One W. Main St., Madison, John P. Varda, Gen. Mgr.

WYOMING TRUCKING ASSN., INC. (1940), River Cross Addition, P. O. Box 1889, 109 Rancho Ave., Casper, L. E. Meredith, Man. Dir.

STATE AND SECTIONAL BUS ASSOCIATIONS

ALABAMA BUS ASSN., 520 N. Court St., Montgomery, Ala., Luther Vines, Sec.

***ARIZONA BUS ASSN.**, 313 North 1st St., Phoenix, Ariz., W. A. French, Sec.-Treas.

***ARKANSAS BUS AND TRUCK ASSN.** (See State Motor Truck Assn.)

***CALIFORNIA BUS ASSN.** (1955), 1322 Webster St., Oakland, Cal., Harvey Scott, Sec.-Mgr.

CONNECTICUT MOTOR STAGE ASSN., 66 Linden St., Waterbury, Conn.—Frank T. Healey, Jr., Sec.

*Affiliated with National Association of Motor Bus Owners.

FLEETMAN'S ASSOCIATION DIRECTORY

SOUTHEASTERN BUS TRAFFIC ASSN., INC., Division National Bus Traffic Assn., 81 Cain St., N.W., Atlanta, Ga., Mrs. Mary H. Williams, Sec.

***ILLINOIS BUS ASSN. (1925),** 523 E. Capitol Ave., Springfield, Ill., Mrs. Altoe Nelson Stone, Exec. Sec.

***INDIANA BUS ASSN., INC. (1935),** 1112 The Fidelity Bldg., 111 Monument Circle, Indianapolis 4, Ind., Harry J. Harman, Sec.

MARYLAND MOTOR BUS OPERATORS ASSN., INC., 2600 N. Howard St., Baltimore, R. W. Van Atta, Pres.

***MICHIGAN MOTOR BUS ASSN. (1921),** 404 Hollister Bldg., Lansing, Mich., Carl S. Buchanan, Sec. & Mgr.

MISSOURI BUS & TRUCK ASSN. (1937), 628 Jefferson St., Jefferson City, U. G. Lewellen, Mgr.

***NEW ENGLAND BUS ASSN.,** 9 Adams Ave., Watertown 72, Mass., A. C. Weinstock, Exec. Sec.

NEW ENGLAND TRANSIT CLUB, 10 High St., Boston 10, Mass., Ralph D. Baker, Sec.

***NEW JERSEY MOTOR BUS ASSN., INC., (1935),** 921 Bergen Ave., Jersey City, N. J., Nathaniel L. Fish, Sec.-Treas.

***INTERCITY BUS ASSN. OF NEW YORK STATE, INC. (1938),** 100 State St., Room 1015, Albany 7, N. Y., Ruth Stracher, Exec. Sec.

NEW YORK STATE MOTORBUS ASSN., INC. (1934), D. & H. Bldg., 19-20 Plaza, Albany 7, Lt. Gen. B. T. Fay, Exec. V. P. & Sec.

NORTHEASTERN BUS TRAFFIC ASSN., c/o Eastern Greyhound Lines, 1400 W. Third St., Cleveland 13, Ohio, J. E. Donahue, Chairman.

***OHIO MOTOR BUS ASSN. (1922),** 12 N. 3rd St., Columbus 15, Ohio, Alex Hogg, Sec.-Treas.

ASSOCIATED MOTOR CARRIERS OF OKLAHOMA, INC. (1932), Suite 2315, Sheraton-Oklahoma Hotel, P. O. Box 983, Oklahoma City, Okla., Fisher Muldrow, Exec. V. P.

***OREGON BUS ASSN. (1933),** 400 E. Powell Blvd., Gresham, Ore., E. G. Larson, Pres.

***PENNSYLVANIA BUS ASSN. (1923),** Telegraph Bldg., Locust & Court Sts., Harrisburg, Pa., Jennie B. Brugnoni, Asst. Sec.-Asst. Treas.

***TEXAS MOTOR BUS ASSN., INC.,** 1021 Riverside Dr., Brownwood, Tex., I. F. Bay, Pres.

TRI-STATE MAINTENANCE ASSN., c/o Philadelphia Suburban Trans. Co., 69th St. Terminal, Upper Darby, Pa., Walter A. Lorentz, Sec.

***VIRGINIA PASSENGER BUS ASSN.,** Box 7236, Richmond 21, Va., Harris Mitchell, Exec.-Sec.

***MOTOR COACH ASSN. OF WASHINGTON (1920),** 204 Security Bldg., Olympia, Wash., Vernon L. Lindskog, Secy.

***WEST VIRGINIA BUS ASSN. (1924),** 1201 Kanawha Valley Bank Bldg., Charleston, W. Va., H. W. Hanna, Jr., Sec.

LOCAL FLEET ASSOCIATIONS

SOCIETY OF FLEET SUPERVISORS OF GREATER MIAMI, P. O. Box 267, Riverside Station, Miami 10, Fla., Herbert H. Huff, Sec.-Treas.

FLEET SUPT. ASSN. (1951), Herman Feagans, Pres., c/o Atlanta Transit System, 125 Pine St., N.E., Atlanta 8, Ga.

MIDWEST FLEET SAFETY SUPERVISORS ASSN., P. O. Box 3576, St. Paul, Minn., Harold L. Taylor, Sec.

GREATER KANSAS CITY FLEET MAINTENANCE ASSN., 4902 Crest Dr., Kansas City 6, Kans., J. B. Anderson, Sec.

MAINTENANCE COUNCIL OF THE N. CAROLINA MOTOR CARRIERS ASSN. (1953), H. R. Shaver, Sec., c/o GMC Truck & Coach Div., Charlotte, N. C.

SOCIETY OF FLEET SUPERVISORS, INC. (New York) (1945), Bernard C. Feldman, Sec., 915 West End Ave., New York 25, N. Y.

MOTOR TRUCK MAINTENANCE CLUB OF NEW YORK (1925), c/o James F. Harris, Sec.-Treas., Consolidated Edison Co., 4 Irving Place, New York 3, N. Y.

TRUCK AND BUS MAINTENANCE ASSN. OF BUFFALO, INC., Frank Spoerl, Corresponding Sec., 43 Crescent Ave., Buffalo, N. Y.

OKLAHOMA CITY FLEET SUPERVISORS ROUND TABLE, 319 Hales Bldg., Oklahoma City, Okla., Glenn Smith, Chairman.

FLEET MAINTENANCE ASSN. OF PHILADELPHIA, INC. (1948), 16 Dechert Rd., Conshohocken, Pa., Jack R. Schaefer, Sec.

FLEET MAINTENANCE COUNCIL INC. OF AKRON, 200 Carroll St., Akron, Ohio, Clyde Lang, Sec.

MUNICIPAL LICENSE TAX ASSN., 1625 Russ Bldg., San Francisco 4, Cal., P. A. Anderson, Exec. V. P.

CONSTRUCTION EQUIPMENT MAINTENANCE ASSN. OF NEW ENGLAND, P. O. Box 94, Needham Heights 94, Mass., A. L. Morris, Sec.

SOCIETY OF AUTOMOTIVE ENGINEERS LOCAL SECTIONS AND GROUPS

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ATLANTA Section: James L. Broom, Sec., 1376 Merry La., N.E., Atlanta 6, Ga.

BALTIMORE Section: Walter J. Eser, Jr., Sec., 4 Dalebrook Dr., Phoenix, Md.

BRITISH COLUMBIA Section: Roy Douglas Jolly, Sec., 355 Burrard St., Vancouver 1, B. C., Canada.

BUFFALO Section: Ralph C. Mangold, Sr., Sec., 1001 E. Delaven Ave., Buffalo 5, N. Y.

CENTRAL ILLINOIS Section: Richard D. Kieser, Sec., 6132 Knoll-Aire Dr., Peoria, Ill.

CHICAGO Section: Peter A. Mueller, Sec., 815 S. Scoville Ave., Oak Park, Ill.

CINCINNATI Section: Edward J. Schmerber, Sec., 387 Glen Oaks Rd., Cincinnati 38, Ohio.

CLEVELAND Section: C. G. Martin, Sec., 7209 Platt Ave., Cleveland 4, Ohio.

COLORADO Section: George M. Jones, Sec., 7441 Eliot St., Westminster, Colo.

DAYTON Section: G. William Beck, Sec., 887 Cranbrook Ct., Dayton 59, Ohio.

DETROIT Section: Robert Anderson, Sec., 995 S. Glenhurst, Birmingham, Mich.

FORT WAYNE Section: H. G. Trainer, Jr., Sec., 819 Wooster Ct., Fort Wayne, Ind.

HAWAII Section: James H. Davis, Sec., 1045 Makapue Blvd., Kailua, Oahu, Hawaii.

INDIANA Section: Thomas I. Monroe, Sec., 714 Heath St., Lafayette, Ind.

KANSAS CITY Section: Francis J. Boyle, Sec., P. O. Box 1159, Kansas City 41, Mo.

METROPOLITAN Section: C. M. Rice, Sec., 8 Yale Ter., Montclair, N. J.

MID-CONTINENT Section: Joseph S. Crawford, Sec., 1715 S. College Ave., Tulsa 4, Okla.

MID-MICHIGAN Section: G. William Moody, Sec., 4908 Lyncott Dr., Lansing, Mich.

MILWAUKEE Section: Floyd James Hartshorn, Jr., Sec., 4444 W. Capitol Dr., Milwaukee 16, Wis.

MOHAWK-HUDSON Section: James W. Cummings, Sec., c/o Delaware & Hudson RR Corp., Maint. of Way, Calonie, N. Y.

MONTREAL Section: Gaston Beauchamp, Sec., 8845 St. Lawrence Blvd., Montreal, Quebec, Canada.

NEW ENGLAND Section: Raimund F. O'Brien, Jr., Sec., 214 Harvard Ave., Boston 34, Mass.

NORTHERN CALIFORNIA Section: H. W. Sigworth, Sr., Sec., 225 Bush St., San Francisco 20, Cal.

NORTHWEST Section: Robert B. Dickey, Sec., 8801 E. Marginal Way, Seattle 24, Wash.

ONTARIO Section: G. R. Jackson, Sec., 343 Durie St., Toronto, Ontario, Canada.

OREGON Section: Malvin S. Everist, Sec., 1940 N. E. 138th Pl., Portland 20, Ore.

PHILADELPHIA Section: Karl F. Green, Sec., 2013 Longcome Dr., North Graylin Crest, Wilmington 3, Del.

PITTSBURGH Section: H. H. Donoldson, Jr., Sec., Box 2038, Pittsburgh 30, Pa.

ROCKFORD-BELOIT Section: Clarence H. Schowalter, Sec., 1633 Crescent Dr., Beloit, Wis.

ST. LOUIS Section: Robert P. Lindeman, Sec., 460 Holiday Hill, Florissant, Mo.

SALT LAKE Group: Daniel W. Hoffman, Sec.-Treas., 3573 Eastwood Dr., Salt Lake City, Utah.

SAN DIEGO Section: Frank U. Hill, Jr., Sec., 2200 Pacific Hwy., San Diego 7, Cal.

SOUTHERN CALIFORNIA Section: R. K. Polak, Sec., 5921 Oakbrook St., Long Beach 15, Cal.

SOUTHERN NEW ENGLAND Section: Robert J. Black, Sec., 43 Vincent Dr., West Springfield, Mass.

(TURN TO NEXT PAGE, PLEASE)

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SAE LOCAL SECTIONS AND GROUPS—*continued*

SOUTH TEXAS Group: Edward A. Garner, Sec., 529 E. Craig Pl., San Antonio 12, Texas.

SPOKANE-INTERMOUNTAIN Section: Cliff H. Dunn, Sec., 4228 Conklin, Spokane 36, Wash.

SYRACUSE Section: Warren E. Biesemeyer, Sec., 472 S. Salina St., Syracuse 2, N. Y.

TEXAS Section: David H. Norton, Sec., 1510 Carswell Ter., Arlington, Texas.

TEXAS-GULF COAST Section: John W. Kelly, Jr., Sec., 4141 St. Dennis St., Houston 4, Texas.

TWIN CITY Section: Charles E. Grimes, Sr., Sec., 8530 Haeg Dr., Minneapolis 20, Minn.

VIRGINIA Section: E. B. Sidoll, Jr., Bingham Truck Service, 107 W. Canal St., Richmond, Va.

WASHINGTON Section: D. Barry Boyce, Sec., 8508 16th St., Silver Spring, Md.

WESTERN MICHIGAN Section: Daniel B. Kuiper, Sec., 1761 Langley St., S.E., Grand Rapids 8, Mich.

WICHITA Section: Robert W. Burnham, Sec., 117 E. 17th Wichita 14, Kan.

WILLIAMSPORT Group: John F. Fowler, Jr., Sec., R. D. 2, Montoursville, Pa.

SCHOOLS OFFERING FLEET COURSES

ALABAMA: W. L. Rickard, Asst. State Supervisor, Trade and Industrial Education Dept., P. O. Box 2847, Alabama Dept. of Education, University, Ala.

ARIZONA: Dr. Gilbert L. Gifford, College of Business & Public Adm., University of Arizona, Tucson, Ariz.

CALIFORNIA: (1) Prof. Bob Glenn, Assoc. Eng. & Ext. Representative, Institute of Transportation & Traffic Engineering, University of Calif., Berkeley 4, Cal. (2) Prof. Bob Glenn, Institute of Transportation and Traffic Engineering, Dept. of Engineering, University of California, Los Angeles 24, Cal.

CANADA: (1) Paul Boeuf, Mgr., Quebec Safety League, 1455 Peel St., P. O. Box 839, Montreal. (2) Frank C. Devenne, Ontario Safety League, 208 King St., West, Toronto. (3) R. P. Lawrence, Gen. Mgr., Alberta Safety Council, 10526 Jasper Ave., Edmonton, Alberta. (4) R. J. Reynolds, Saskatchewan Technical Institute, Moose Jaw, Saskatchewan.

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GEORGIA: Paul L. Andrews, Exec. Sec., Georgia Highway Contractors Assn., 603 Forsyth Bldg., Atlanta.

ILLINOIS: Taylor G. Soper, Exec. Sec., Illinois Road Builders Assn., 228 N. LaSalle St., Chicago 1.

INDIANA: W. M. Holland, Exec. Sec., Indiana Highway Contractors, Inc., 701 Roosevelt Bldg., Indianapolis, Ind.

MARYLAND: William E. Hardy, Exec. Sec. Maryland Highway Contractors' Assn., 609 Wilson Pl., Frederick, Md.

MICHIGAN: C. J. Carroll, Exec. Sec., Michigan Road Builders Assn., P. O. Box 418, Lansing 1.

MISSISSIPPI: R. A. Harris, Engr.-Dir., Mississippi Road Builders Assn., 308 Robert E. Lee Hotel, Jackson.

NEW ENGLAND: Gordon E. Gaffney, Exec. Sec., New England Road Builders Assn., 20 Kilby St., Boston 9, Mass. (Maine, N. H., Vt., R. I., Conn., Mass.)

OHIO: Karl L. Rothermund, Jr., Exec. Sec., Ohio Contractors Assn., 40 W. Gay St. Room 300, Columbus.

PENNSYLVANIA: A. E. O'Brien, Exec. Sec., Associated Pennsylvania Constructors, 600 N. Third St., Harrisburg.

TENNESSEE: Leslie T. Hart, Sec-Treas., Tennessee Road Builders Assn., Hermitage Hotel, Nashville 3.

TEXAS: James M. Richards, Sec.-Mgr., Texas Highway-Heavy Branch, AGC, Driskill Hotel, Austin 61.

VIRGINIA: Frank A. Howard, Engr.-Dir., Virginia Road Builders Assn., King Carter Hotel, Richmond 19.

W. VIRGINIA: W. T. Brice, Exec. Sec., West Virginia Contractors Assn., P.O. Box 386, 409 Capitol St., Charleston 22.

WISCONSIN: E. E. Hoebel, Exec. Sec., Wisconsin Road Builders Assn., 1 W. Main St., Madison 3.

LAWS & REGS

Continued from Page 29

tional Tank Truck Carriers and the Petroleum interests.

Who should decide how far airlines may go in conducting motor carrier operations in conjunction with their service, free from normal regulation?

Right now, the Civil Aeronautics Board has the say-so. The airlines want to keep it that way. They're doing well under the present system—a 25-mile radius at present and a 50-mile boundary in prospect if the CAB adopts a recent proposal.

Regulated motor carriers want the ICC to take over the job. They figure the Commission will be tougher on airlines' subordinate service than the CAB is. CAB, carriers feel, is interested only in air-freight business.

ATA and several other groups have asked ICC to take over this regulation.

ICC has already instituted a rule-making proceeding to prescribe the airlines' trucking zones.

Congressional reaction to ICC's rail subsidy plan is cool.

Opposition is coming from members representing areas with no rail problems, from those friendly with other modes of transport and even from those representing areas which might benefit (the latter fear increased government controls).

Irregular Route Common Carrier Conference has published the first compilation of ICC's truck leasing regs. It includes discussions of the rules by Harry E. Boot of ATA's legal staff. It's $5 from IRCCC, 1616 P St., N.W., Washington 6, D. C.

END

Please Resume Reading Page 86

If you operate any of here are three reasons for

And these same reasons hold true—regardless of how many different kinds of engines your fleet may have! That's because Champion specialists have developed spark plugs that are exactly right—not only for the vehicles in this illustration—but for every kind of internal combustion engine now in use...

1. Engine-matched design.

Top power and economy from *each* of your engines—whatever the operating condition—is one important benefit Champions can deliver. That's because Champion specialists have matched just the right spark plug to every engine and running condition—to assure peak performance. And whenever newly introduced engines require new spark plug types, new Champions are developed to do the job.

CHAMPION SPARK PLUG

these types of vehicles— using Champion spark plugs

2. Special-application plugs.

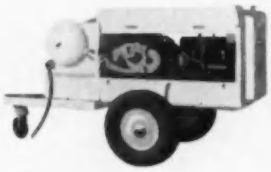
To meet unusual or extra-demanding conditions your fleet may encounter, Champion also has special plug types. For example, *auxiliary-gap* Champions. They keep firing smoothly despite heavy fouling deposits caused by start-and-stop operation or long periods of idling. And for fleets operating two-way radio systems, Champion *resistor* plugs suppress ignition noises and give maximum operating range.

3. Wider operating range.

Every Champion is designed to run hotter at low engine speeds to resist plug fouling . . . cooler at high speeds to prevent preignition and excessive electrode wear. (In this exacting design job engineers use Champion's special thermocouple plugs—which tell exact plug temperatures in *running* engines.) This is another reason why silvery-plated Champions can assure top engine performance—throughout your fleet.

There are other reasons why silvery-plated Champions are best for *all* your fleet engines: a program of rigid quality control; extensive road testing; technical liaison work with engine and fuel companies; and the most thorough research of its kind—that helps assure Champion's *continuing* leadership in the manufacture of the world's finest spark plugs.

So take advantage of what America's only firm of spark plug specialists has to offer: The best spark plugs—for *every* engine in your *entire* fleet, regardless of what running conditions may be involved.



Another Champion service . . .

Champion will be happy to help you determine exactly the right spark plug types for all your engines . . . and assist in solving any ignition problems you may have. Simply contact your Champion sales representative or supplier, or write to: Technical Services Department, Champion Spark Plug Company, Toledo 1, Ohio.

DEPENDABLE CHAMPION SPARK PLUGS

COMPANY • TOLEDO 1, OHIO

1961 NEW TRUCK REGISTRATIONS*

STATE		Brockway	Chevrolet	Diamond T	Dodge	Ford	G.M.C.	International	Mack	Studebaker	Volkswagen	White	Willys Jeep	Willys Truck	All Others	Total
Alabama	Aug.		611	3	29	444	75	170	25	2	33	16	11	7	2	1,428
	8 Mos.		4089	21	600	3291	836	1079	170	27	310	192	50	52	56	10,767
Alaska	Aug.		33		1	24	9	19			7		1	1		95
	8 Mos.		247		24	192	101	105	1	13	31	1	4	9	7	735
Arizona	Aug.		410	1	63	430	68	140		12	34	1	9	17	7	1,192
	8 Mos.		2758	2	463	2537	570	702	3	62	164	47	74	127	90	7,599
Arkansas	Aug.		684	1	55	531	136	173	2	2	34	17	21	4	3	1,663
	8 Mos.		4311	5	354	3640	821	1020	28	37	128	50	47	30	7	10,478
California	Aug.		3079	19	498	3546	556	1072	13	89	332	145	235	96	133	9,813
	8 Mos.		23388	107	3136	24002	4201	5609	134	493	2778	709	809	566	976	67,208
Colorado	Aug.		452	3	117	398	136	267	8	5	31	14	50	32	15	1,528
	8 Mos.		3427	15	720	3084	814	1380	29	93	176	99	386	298	133	10,654
Connecticut	Aug.	4	164	1	26	153	67	189	8	6	81	21	51	30	8	809
	8 Mos.	27	1101	9	175	939	339	825	100	23	373	153	218	260	40	4,602
Delaware	Aug.		68		8	55	19	31	70		3	9	1	4	3	271
	8 Mos.	2	529	4	70	485	147	241	116	4	25	94	20	32	9	1,778
District of Columbia	Aug.		74		13	103	15	22			13	4	7	1	2	254
	8 Mos.	1	565	6	116	575	184	193	41	1	101	24	32	23	25	1,887
Florida	Aug.		573	9	91	885	162	185	23	7	138	19	47	53	31	2,223
	8 Mos.	15	4838	35	487	6381	1233	1341	218	113	953	190	251	457	184	16,696
Georgia	Aug.		789		50	796	143	241	22	3	68	26	18	10	2	2,168
	8 Mos.	1	5164	28	490	5548	1213	1561	217	43	428	172	72	78	37	15,062
Hawaii	Aug.		33		27	55	14	34	1		10		5	18	7	204
	8 Mos.		264	4	85	394	103	153	3	2	85	9	53	104	67	1,326
Idaho	Aug.		180		75	199	73	106	5	1	7	1	5	20	6	678
	8 Mos.		1631	1	353	1288	523	830	36	49	75	13	36	150	75	5,060
Illinois	Aug.	1	852	7	166	958	235	610	61	14	117	68	25	24	53	3,191
	8 Mos.	1	7514	106	1093	6718	1595	3573	214	120	768	512	237	316	292	23,059
Indiana	Aug.		655	14	109	543	149	345	16	20	67	22	41	14	8	2,003
	8 Mos.		5038	52	743	4216	1211	2257	223	154	420	275	135	190	145	15,069
Iowa	Aug.		418	1	48	376	83	241	3	4	13	8	9	6	6	1,216
	8 Mos.	2	3598	30	435	3711	733	2077	54	63	206	96	45	74	102	11,226
Kansas	Aug.		525	1	77	552	128	200	2	3	17	2	5	10	8	1,530
	8 Mos.		4428	27	516	3930	1082	1484	23	48	136	118	41	98	29	11,940
Kentucky	Aug.		305		25	335	69	138	10	4	28	3	23	17		957
	8 Mos.		2961	11	255	2504	614	938	60	17	164	59	57	127	14	7,781
Louisiana	Aug.		629		40	697	85	133	8	1	48	10	18	11	2	1,682
	8 Mos.		4793	15	408	4429	590	982	48	32	327	78	86	60	28	11,876
Maine	Aug.	1	93		15	69	11	51		1	19	2	5	16	2	285
	8 Mos.	6	956	1	119	880	266	587	22	17	135	26	43	144	37	3,239
Maryland	Aug.	1	617	2	61	400	87	232	17	2	66	22	37	14	11	1,569
	8 Mos.	24	2696	13	375	2931	522	1409	154	43	353	221	183	215	57	9,196
Massachusetts	Aug.	2	247	2	46	389	136	210	30	5	154	17	24	77	5	1,344
	8 Mos.	38	2215	18	428	2835	770	1476	204	41	724	209	126	566	74	9,724
Michigan	Aug.	1	753	3	150	1022	208	306	9	8	89	19	73	38	21	2,700
	8 Mos.	4	6424	56	1087	7271	1662	1791	90	110	623	246	249	287	180	20,080
Minnesota	Aug.		325	1	46	368	107	208	7		38	7	25	11	3	1,148
	8 Mos.		3851	13	533	3648	757	1585	82	92	269	68	74	101	83	11,156
Mississippi	Aug.		386		21	330	96	113	5	4	20	4	12	3		996
	8 Mos.		3212	1	178	2782	648	534	43	35	149	14	34	41	5	7,976
Missouri	Aug.		638	14	67	634	166	276	7	3	43	19	29	13	33	1,942
	8 Mos.		6155	48	678	4751	1360	1951	95	73	251	195	118	142	58	15,875
Montana	Aug.		258	8	45	329	76	175	4	7	20	4	11	15	6	958
	8 Mos.		1474	21	255	1594	393	856	37	33	84	23	33	153	72	5,028
Nebraska	Aug.		285	6	45	379	80	165	12	4	11	4	2	9	14	1,016
	8 Mos.		2722	23	310	2796	627	1194	62	30	110	197	47	97	104	9,319
Nevada	Aug.		65		13	142	19	57			4		4	1	1	306
	8 Mos.		636		120	714	183	284	1	22	47	6	23	50	15	2,101
New Hampshire	Aug.		70		8	72	23	56	6	1	38	3	3	15	3	298
	8 Mos.	4	662	10	89	643	193	412	48	27	168	26	55	149	30	2,516
New Jersey	Aug.	30	441	24	120	622	235	285	57	5	116	26	57	61	36	2,115
	8 Mos.	145	4295	114	782	5056	1483	2146	466	58	776	468	391	784	275	17,239
New Mexico	Aug.		284		81	303	90	87	3	4	24	5	3	6	1	891
	8 Mos.		2212		310	2037	504	536	16	70	95	34	66	90	29	5,999
New York	Aug.	35	1057	3	171	1139	477	763	75	10	219	148	152	189	44	4,482
	8 Mos.	248	8763	71	1717	8457	2860	5702	763	108	1524	1063	686	1437	425	33,824
North Carolina	Aug.		710		86	1114	143	177	16	5	42	20	8	17	5	2,343
	8 Mos.	3	5178	76	470	5937	1141	1359	181	217	279	223	96	128	50	15,338
North Dakota	Aug.		86		18	74	17	67		2	7					271
	8 Mos.		913	18	184	863	178	562		31	24	2	4	18	9	2,806
Ohio	Aug.	1	688	8	147	1040	253	520	71	11	98	94	57	39	12	3,039
	8 Mos.	5	6829	41	1062	7722	1767	3346	340	127	566	686	343	374	191	23,399
Oklahoma	Aug.		642	1	38	559	111	181	8	3	26	14	10	7	3	1,603
	8 Mos.		6036	22	365	4554	933	1345	62	44	124	155	39	53	44	13,776
Oregon	Aug.		381	1	58	343	99	209	9	16	41	49	15	22	32	1,273
	8 Mos.	1	3455	24	419	3010	962	1464	114	247	402	273	106	261	250	10,988
Pennsylvania	Aug.	22	1044	17	192	1063	264	839	63	21	124	71	87	151	26	3,984
	8 Mos.	94	7008	88	1318	6871	1791	3821	672	197	670	571	825	1356	240	25,522
Rhode Island	Aug.		55		3	72	13	46	2	1	20	1	11	1		225
	8 Mos.		513	1	48	1000	135	353	32	6	151	52	48	44	34	2,415
South Carolina	Aug.		329		24	362	64	95	6	2	13	7	1	1	1	905
	8 Mos.		2596	2	279	2561	447	550	58	18	153	54	53	29	7	6,807
South Dakota	Aug.		123		19	182	30	88			5	2	8	4	1	462
	8 Mos.		1368	5	254	1360	266	915	12	40	67	15	33	45	27	4,407
Tennessee	Aug.		469		54	441	126	171	17	2	30	44	18	4	3	1,379
	8 Mos.		3846	5	419	3627	907	1138	157	32	210	244	130	53	21	10,791
Texas	Aug.		2763	4	203	2028	424	743	21	17	107	122	31	18	31	6,512
	8 Mos.	1	29,657	49	1,623	14,996	3,075	4,195	180	215	763	533	338	230	253	47,108
Utah	Aug.		205	2	77	275	49	71	3	2	25	7	13	11	11	751
	8 Mos.		1552	12	427	1523	458	588	25	12	96	51	68	82	42	4,938
Vermont	Aug.		50		7	37	29	40	1		16		5	9	2	196
	8 Mos.	14	402		55	434	148	279	13	13	184	8	64	116	29	1,759
Virginia	Aug.		482	1	108	1008	140	252	23	6	61	5	19	36	9	2,160
	8 Mos.	3	3645	6	799	5670	954	1371	150	69	411	108	179	301	130	13,796
Washington	Aug.		399		108	367	172	268	7	8	45	17	5	12	24	1,432
	8 Mos.		3126	3	698	3048	1118	1412	51	97	380	81	76	173	151	10,414
West Virginia	Aug.		179	3	34	191	56	85	3	2	25	5	20	45		648
	8 Mos.	4	1451	9	236	1721	427	591	48	25	164	67	129	303	19	5,192
Wisconsin	Aug.		384	3	58	474	89	238	17	5	48	25	18	18	15	1,392
	8 Mos.		3309	21	489	3094	813	1948	94	75	272	194	128	154	151	10,740
Wyoming	Aug.		123		21	126	42	118	1	2	5	3	9	19	2	471
	8 Mos.		1031	2	159	917	263	525	15	17	63	11	38	128	15	3,184
Total	August, 1961	98	25,175	163	3,660	27,034	6,156	11,508	777	332	2,680	1,152	1,354	1,257	653	81,999
Total	August, 1960	73	26,736	248	3,685	24,539	7,745	9,419	936	600	2,669	1,095	921	1,456	966	81,440
Total	Eight Months, 1961	643	199,834	1,251	26,806	193,167	44,901	73,175	6,003	3,645	17,935	9,015	7,474	11,175	5,417	600,441
Total	Eight Months, 1960	772	220,098	1,887	29,462	194,824	56,411	77,063	7,681	3,616	21,681	10,563	6,699	12,432	9,174	652,563

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ENGINES LIVE LONGER... TRUCKS EARN MORE

with Sealed Power ELECTRO-POLISHED **STAINLESS STEEL** *oil rings*

This is fact, not fiction. It's proven in fleet after fleet. Sealed Power Stainless Steel oil rings cut operating costs, cut maintenance expense, prolong engine life.

To start with, Stainless Steel is a superior metal. It doesn't corrode, it resists pitting and etching of gases so carbon doesn't cling. Return oil vents stay clean for free-flow lubrication, less friction.

And Stainless Steel retains its tension at operating temperatures, doesn't get "heat lazy." Proper tension means Sealed Power's Stainless Steel oil ring side seals, holds its fit, controls oil.

Sealed Power's unique end-abutment design is road-proven in heavy-duty service. It has billions of miles behind it. It's not experimental.

Add them up: Stainless Steel, heavily chromed rails and Sealed Power's patented, proven design. Answer? More miles between overhauls, lower cost per mile. Sealed Power Corporation, Muskegon, Michigan.

Sealed Power KromeX Ring Sets

stop oil pumping

PISTONS • PINS • SLEEVES AND SLEEVE ASSEMBLIES • VALVES • WATER PUMPS • TAPPETS

More details? Circle 226 on reply card inside back cover

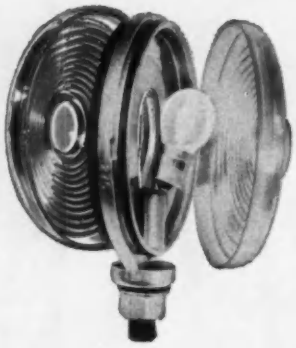
Super-bright

day... or night...

NEW DIETZ #275 TURN SIGNAL

... already the largest selling original equipment turn signal!

- Delivers maximum light output from center to rim of acrylic fade-proof lens; exceeds SAE optic and identification requirements.



- 4 models: Single or double face (red and/or amber lens); in lacquered aluminum or chrome finish.
- Simple 4-part design (body, bulb socket, lenses) makes servicing easy, economical.
- Baffle plate in double-face model blocks "shine-through" from sun; insures full signal brilliance day or night.
- Streamlined, lightweight and watertight with snap-grip lens and "O" ring gasket; zinc die-cast body and brass socket are non-corrosive.

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Company_____

Business Address_____

City_____ Zone_____ State_____

More details? Circle 227 on reply card inside back cover

THE OVERLOAD

Continued from Page 5

original Twin Coach were not mounted under the floor. They were upright, one on each side, under a *seat* . . . ACF buses were not powered by Fageol engines . . . but by Hall-Scott . . . In reference to page 110, there is no such word as " 'til."

A. D. Henderson
Grosse Pointe, Mich.

Reader Henderson is one-third right on the Twin Coach. The vertical engines were one-third above the floor, two-thirds below. He is 100 per cent right on the ACF power, even though Frank Fageol was with ACF at the time. On his last point we'll have to wait 'til we check the newest Webster.

Sirs:
. . . It is undoubtedly the finest fleet management edition I have ever seen. Congratulations!

John T. Lichnovsky
Field Engineer, Mechanex Corp.
Englewood, Colo.

Sirs:
. . . It seemed to me B. F. Goodrich did not get equal representation with its competitors.

Ed C. Bartlett
Manager, Media Section, B. F. Goodrich Co.
Akron, Ohio

Editorial comment on development of early pneumatic truck tires was based on published activities during the period following World War I.

Sirs:
. . . May I extend my sincere compliments to your entire staff for a beautifully done job.

John G. Ragsdale
Director, Trade Relations, General Tire & Rubber Co.
Akron, Ohio

Sirs:
. . . This is a most attractive and interesting record of the past 50 years.

George W. Anderson
Executive Vice President, American Transit Assn.
New York, N. Y.

Sirs:
. . . It will provide a history of events to occupy and entertain the old timers . . . and to introduce the apprentice to the trucking industry.

George H. Irish
Chief, Transportation Branch, Tennessee Valley Authority
Chattanooga, Tenn.

Sirs:
. . . I am pleased to have this information readily available for future use.

John E. Moss
Congressman from California
House of Representatives
Washington, D. C.

Sirs:
. . . I have been a CCJ reader for so many years it has become "required reading." Your 50th Anniver-

(TURN TO PAGE 242, PLEASE)

Ex Uno Plura

(out of one, many)

From a single basic design, a complete engine line. That's the unique *family of engines concept* that sets Series 53 and 71 Diesels apart from all others.

Pioneered in the thirties—and proven by over 90 million horsepower—it concentrates all Detroit Diesel's resources on the perfection of a *single basic design for all engines.*

What does this unique *family concept* mean to truck owners? It means you can meet every truck power need, from 97 to 434 h.p., by using engines of just 2 different cylinder sizes—with up to *70% interchangeability of parts* between engines in each series.

It means *lower parts costs*—up to 50% less than for Diesels built in a flock of different designs and cylinder sizes. Lowest servicing costs, too.

It means you can *meet growing horsepower needs* (without loss of existing parts inventory or maintenance know-how) merely by stepping up to the next engine in the series.

It means that all the advances of the past, present and future can be applied to *every* Series 53 and 71 Diesel—whether it's in a truck you've had for years, or one that's just off the line.

It means *the ultimate in standardization benefits,* with greater profits per engine on every "53" and "71" engine you add.

No wonder so many truck buyers specify Series 53 and 71 Diesels. Ask for them. *One proven design throughout the line builds greater value into every engine.* Detroit Diesel Engine Division, General Motors, Detroit 28, Michigan. (In Canada: General Motors Diesel Limited, London, Ontario.)

SERIES 53&71

DIESEL TRUCK ENGINES

Available in Chevrolet • Diamond T • Freightliner • FWD • GMC • Hendrickson • International • Kenworth • Peterbilt • Studebaker

More details? Circle 228 on reply card inside back cover

Oakite Stripper R-6 Conditions Radiators in less than 30 minutes

Strong sludge-removing properties are a must for quick radiator cleaning by the tank method. And Oakite Stripper R-6 knifes through the most plugged-up deposits in a twinkling, restores flow to top efficiency in less than 30 minutes. All that plus top economy, too. For you can use the same solutions over and over again.

In addition, Stripper R-6 removes all kinds of lacquers and oil-based paints and enamels, not to mention heavy grease and grime. Its free-rinsing property means no left-over residue... which assures dependable soldering jobs that stick. Besides, Stripper R-6 is safe. No fire hazard. No corrosive effect on ferrous metals.

For more information on Oakite Stripper R-6, just drop us a line. There's no obligation. Write to Oakite Products, Inc., 40B Rector Street, New York 6, N. Y.

OAKITE SCIENCE

over 50 years' leadership in industrial cleaning Est. 1909

More details? Circle 229 on reply card inside back cover

THE OVERLOAD

Continued from Page 240

sary Special . . . will make interesting reading during the winter months ahead.

Martin L. Orner, President
A. E. Friedgen, Inc., (Transportation Consultants)
New York, N. Y.

Sirs:
. . . My congratulations on this splendid publication.

Walter Rogers
Congressman from Texas
House of Representatives
Washington, D. C.

Sirs:
. . . As a State Legislator, I find this book of particular interest and, also, as a lawyer representing a number of trucking companies, it has been invaluable.

W. T. Brotherton, Jr.
Majority Leader, House of Delegates
Charleston, W. Va.

Sirs:
. . . You are to be congratulated for this wealth of information. I will keep it in my library.

R. H. Daily
M & G Convoy, Inc.
Buffalo, N. Y.

Sirs:
. . . This fine special issue is indicative of the interest and informative material that has for many years been associated with the Commercial Car Journal.

William J. Wenzel
Comptroller, Walter Motor Truck Co.
Voorheesville, N. Y.

Sirs:
. . . It will find a special place in my library and will be used a great many times by all of us on the staff as a valuable source of reference.

Edward Gogolin
General Manager, Pennsylvania Motor Truck Assn.
Harrisburg, Pa.

Sirs:
. . . Terrific! It certainly is a thought stimulator and has made a great contribution to the commercial transportation industry.

John A. Castle
Director, Public Relations, GMC Truck & Coach
Pontiac, Mich.

Sirs:
. . . Extremely well done and a valuable contribution to transportation.

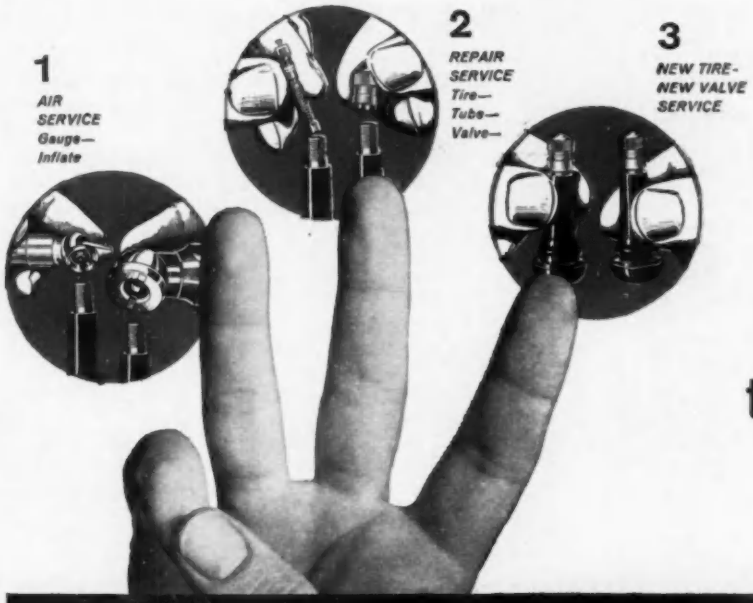
E. V. Kiley
Director, Dept. of Research and Transport Economics
Washington, D. C.

Sirs:
. . . I am finding it to be extremely interesting.

Vance Hartke
Senator from Indiana, United States Senate
Washington, D. C.

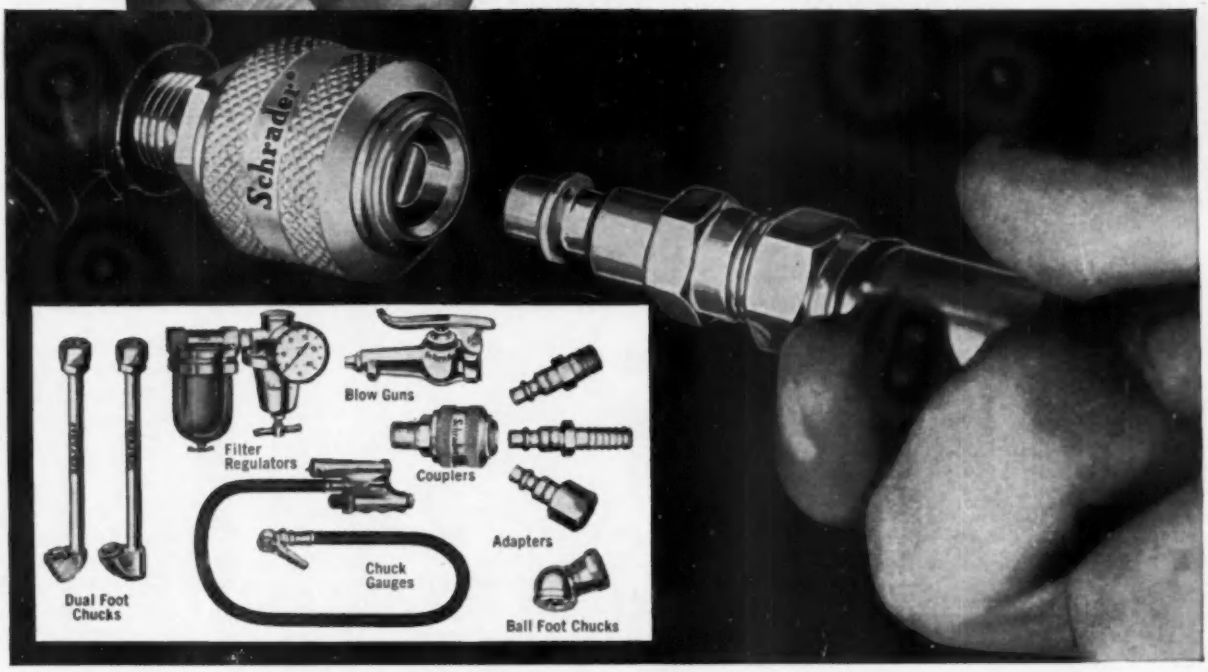
(TURN TO PAGE 244, PLEASE)

THE OVERLOAD



Use TIRE-LIFE EXTENSION*

to speed maintenance ... get full mileage



Fleet profits depend on tire performance. The mileage you pay for is built into every new tire . . . but are you getting *all* of it?

You lose part of this major investment whenever a tire wears out too soon or fails on the road. *Fight this loss,* with Schrader's **TIRE-LIFE EXTENSION** plan. It's designed to extend tire-life through an organized program of best practices . . . logical, simple, easy. For example, regular and accurate gauging and inflating pay off by helping catch flats before they happen on the road. And this practice becomes second nature when plenty of quick-acting coupler outlets are located conveniently throughout your service areas. These famous Schrader plug-in air outlets save steps, time and tires by making air *always instantly available.*

Equip yourself for all three **TIRE-LIFE EXTENSION** practices. Schrader makes everything you need. When you follow this proved program with quality Schrader products your vehicles will produce more revenue. Do you have Schrader's big new Tire Service Catalog yet? Send for your copy today.

*What is TIRE-LIFE EXTENSION? Simply applying the three profitable practices shown above. By using this plan as a steady policy fleets benefit three ways: 1. Fewer flats on the road. 2. Full mileage and performance from all tires. 3. Lower operating, maintenance and tire costs.

A. SCHRADER'S SON • BROOKLYN 38, N. Y.
Division of Scovill Manufacturing Co., Inc.

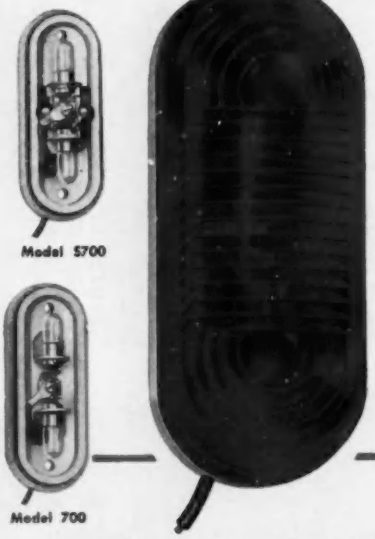
Schrader®
a division of **SCOVILL**

FIRST NAME IN TIRE VALVES
FOR ORIGINAL EQUIPMENT AND REPLACEMENT

Made in America to American standards of quality by American craftsmen

Anthes

FIRST LINE OF SAFETY



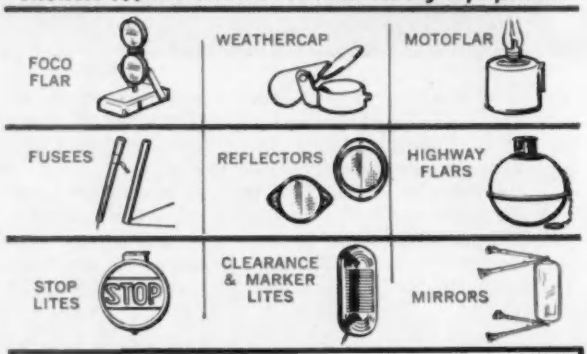
NEW

ALL PLASTIC CLEARANCE and MARKER LITES . . . corrosion and rust proof for longer life and less maintenance

LOWEST COST DOUBLE BULB PROTECTION ON THE MARKET

1. Slim line design — almost 25% narrower than other popular lights, fits more applications.
2. S700 equipped with 5000 hr. bulbs, typical of Anthes quality.
3. Rubber ring seals lens against dirt and moisture.
4. Snap-on lens means quick, easy bulb replacement.
5. Plate is mounted on rubber grommets for complete moisture seal in mounting area.
6. You can save money now because this maintenance-free light will fit mounting holes for most popular marker lights.

Anthes . . . the answer to ALL safety equipment



GLEASON CORPORATION
ANTHES DIVISION
325 N. PLANKINTON AVE.
MILWAUKEE 2, WIS.

More details? Circle 231 on reply card inside back cover

THE OVERLOAD

Continued from Page 242

Sirs:
. . . I understand somewhat the amount of workmanship and ability necessary to publish a book of this high standard . . . I am grateful to have it in my library.

Paul A. Rasmussen
Chairman, Minnesota Railroad & Warehouse Commission
St. Paul, Minn.

Sirs:
. . . I want to commend you on doing a wonderful job . . . I shall keep it for a long time.

O. K. (Dixie) LeBron
Vice President and General Manager, Truck Leasing Division, Hertz Corp.
New York, N. Y.

Sirs:
. . . It will be referred to often in the years ahead.

Howard E. Hill
Managing Director, Michigan Highway Dept.
Lansing, Mich.

Sirs:
. . . It is the most informative and finest automotive trade magazine I've ever seen in the forty-odd years that I have been connected with the Automotive Industry.

C. S. Rogers
Executive Vice President, P & D Mfg Co.
Long Island City, N. Y.

Sirs:
. . . Thank you. I am sure it will be very informative.

Michael V. DiSalle
Governor, The State of Ohio
Columbus, Ohio

Sirs:
. . . For our forthcoming District Managers' Conference, may we reproduce—in slide form—the pullout chart "The Growing World of Motorized Transport."

B. C. Skelly
Advertising Manager, Truck Tires, Goodyear Tire & Rubber Co.
Akron, Ohio

Yes, Mr. Skelly. As a matter of fact, reprints of all the pullouts are available.

Sirs:
. . . It is an issue that is worth boasting about . . . The best I have seen yet.

Henry R. Menegus
Eastern Greyhound Lines
New York, N. Y.

Sirs:
. . . My only regret is that our client . . . was not represented.

Robert I. Solomon
Schram Co., Advertising
Chicago, Ill.

Sirs:
. . . Your publication is highly regarded in the truck

(TURN TO PAGE 246, PLEASE)

The move to Autocar is

no ordinary experience

This extraordinary experience *usually* starts with some hard-headed figuring about the dollars-and-cents payoff. But the day a truck operator takes possession of his Autocar, emotion takes over. His chest swells. Like the man with a new Browning Grade IV shotgun, or a custom-made fly rod, or a Rolls-Royce car, he knows that now he owns the finest. And he knows the respect his new acquisition will command from others. For Autocar says he has arrived!

Why settle for less when nothing takes the place of owning the "World's Finest." Aren't *you* ready to join the Autocar fraternity?

Autocar
"World's Finest"

Division of
The White Motor Company
Exton, Pa.

More details? Circle 232 on reply card inside back cover

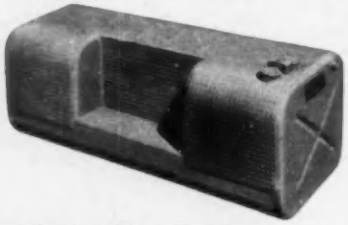
ALWAYS SPECIFY

SNYDER

Safety Tanks

FOR SAFETY

Snyder, pioneer in safety tank design, continues to lead the field with custom engineered tanks that are designed to meet the most rigid standards (I.C.C. and Underwriters) and are tested to the highest standards of quality in the industry. You can rely on them.



Center Step Tank

The Center Step Tank shown to the left is fabricated of high grade steel with a one-piece center step to insure long life. Center Step Tank also available in aluminum. Center Step capacity—38 to 70 gallons.

SATISFACTION

The Snyder Tank Corporation has manufactured over a million safety fuel tanks for all makes and models of trucks that travel on American highways and has maintained its engineering and modern manufacturing facilities to keep in step with the latest trends and requirements of the trucking industry.

Saddle Tank

The Saddle Tank illustrated is designed to transport gasoline and Diesel fuel on a long haul and Snyder's balanced construction insures streamlined yet stronger tanks. Saddle Tank capacity—90 to 145 gallons.

AND SERVICE

No matter what make and model truck you want to fit; no matter what style and capacity tank you desire, Snyder's trained engineers and Engineering Department are available to assist you.

SNYDER TANK CORPORATION

P.O. BOX 14, BUFFALO 5, NEW YORK

More details? Circle 233 on reply card inside back cover

THE OVERLOAD

Continued from Page 244

industry. This issue is typical of your continued effort to go one step further in serving the industry . . . Congratulations on an extensive job well done.

Richard Cleveland
Vice President, LaRue, Cleveland Inc.
Detroit, Mich.

Sirs:
. . . It will be placed in our most prominent upper bookcase.

J. A. Corsillo
Advertising Manager, Thompson Products
Replacement Division
Cleveland, Ohio

Sirs:
. . . It contains a lot of information that will be helpful to us here in the Bureau.

Herbert Qualls
Director, Bureau of Motor Carriers
Interstate Commerce Commission
Washington, D. C.

Sirs:
. . . It will occupy a prominent place on my shelves.

Robert Matthews, Jr.
Commissioner, Kentucky Dept. of Finance
Frankfort, Ky.

Sirs:
. . . A beautiful volume . . . I shall peruse it with a great deal of interest. If you think this was tough, wait till you put the 100th anniversary issue together.

Lewis C. Kibbee
Director, Engineering Dept., American Trucking Assns.
Washington, D. C.

Sirs:
. . . It will prove a useful addition to my reference library.

Howard Freas
Commissioner, Interstate Commerce Commission
Washington, D. C.

Sirs:
. . . You are to be commended on the fine job of putting this information together.

Clarence D. Martin, Jr.
Under Secretary of Commerce for Transportation
Washington, D. C.

Sirs:
. . . It will be permanently useful to our research staff.

Wade Sherrard
Managing Director, California Trucking Assns.
Los Angeles, Cal.

Sirs:
. . . The interesting statistics and data will be reviewed with enthusiasm.

Frank J. Woechan
Philadelphia Regional Office, Post Office Dept.
Philadelphia, Pa.

(TURN TO PAGE 248, PLEASE)

TRAIL

"Front wheel tire costs cut almost 50% with Gates Super Tread HC* Tires'

. . . says A. Ewing Greene, Jr., President, Johnson Freight Lines Company, Inc., Nashville, Tenn.

"Since switching to Gates Super Treads on the front wheels of our tractors," says Mr. Greene, "We get up to 65,000 miles of trouble-free service before these tires are remounted on our trailers. Here they are good for another 15,000 to 18,000 miles before they are due for retreading.

"We keep careful mileage records on every tire we use, and the figures prove that Gates Super Treads have *cut our front wheel tire costs by almost 50%*.

"The biggest boosters for Gates Tires are our own drivers. Usually it takes them a while to get used to the handling characteristics of new tires. But with Gates Super Treads, they are seldom aware that new tires have been mounted. The comments we have had from this usually hard-to-please bunch have all been favorable."

Johnson Freight Lines Company, Inc., is one of the oldest common carriers in the Southeast. It services 7,500 points in Mid-America with a busy fleet of 45 diesel tractors, and 120 trailers—from open-tops to insulated rigs. Besides Gates Super Treads, this always-on-the-go outfit also uses Gates Super Cargos on front wheels and Gates super Cross Bars on drive axles.

Look for this emblem

Only Gates H C 'High Capacity' Truck Tires are backed by this

HC HIGH CAPACITY

UNCONDITIONAL Road Hazard Guarantee

Covers ANY failure, including blow-outs, bruises, rim-cuts, etc., for full tread life. *No time or mileage limit.* Should tire fail, you get a NEW tire at once, with full credit for un-used mileage, based on Gates Standard Adjustment Schedule.

For your free copy of Gates Truck Tire Service and Engineering Data Book, see your Gates Distributor, or write . . .

The Gates Rubber Company, Denver, Colorado

Gates Truck Tires

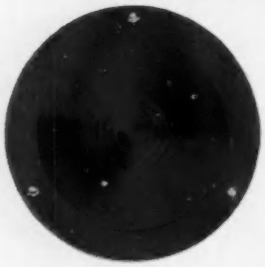
GATES TIRES Gates

More details? Circle 234 on reply card inside back cover

TPA-563

TRAIL BLAZERS from Grote

"Sta-Lit" 4 & 5 WAY COMBINATION LAMPS



- Unitized stop, tail, Class A turn signal and license window with built-in Class A reflector in lens.
- Combination saves money and installation time.

415 Flush mount (Recessed Housing)

416 With license window, and 2-Stud mounting. Available without license window, 416LW.

No. 12 REFLECTOR

- High intensity, visible 6 times farther than a tail light.
- Class A, surpasses all SAE and state specifications.
- Minimum installation cost, theft-proof, single screw mounting, no masking during painting.

For full information on these products and the complete line, write Grote, suppliers of original equipment to over 450 manufacturers of trucks, buses and trailers.

THE GROTE MANUFACTURING CO.

Automotive Division • Madison, Indiana

State Route #7, P.O. Box 766 NMS

More details? Circle 235 on reply card inside back cover

THE OVERLOAD

Continued from Page 246

Sirs:

. . . I have found quite a bit of material that will be helpful to me in the sometimes difficult job of preparing speeches for transportation groups.

John W. Bush
Commissioner, The Interstate Commerce Commission
Washington, D. C.

Sirs:

. . . I am glad to have it for the information it provides on the growth, present status and future potential of the bus and truck segments of the nation's transportation system.

A. W. Koehler
Secretary-Manager, National Assn. of Motor Bus Owners
Washington, D. C.

Sirs:

. . . Truly a masterpiece. There is a wealth of information that will assist me as I endeavor to teach our Transportation Maintenance Technology Students.

Ben G. Gray
Instructor, Wilson Industrial Education Center
Wilson, N. C.

Sirs:

. . . It was very well done and I wish to personally commend you and thank you for your contribution to the industry.

Frank A. Bornmann
Vice President-Sales, Binkley Co.
Warrenton, Mo.

Sirs:

. . . This book is a fine contribution to our overall promotional activities in behalf of the trucking industry, and I am confident it will do us a world of good.

Torben K. Andersen
Executive Vice President, Maine Truck Owners Assn.
Portland, Me.

Sirs:

. . . A concise report of the growth of the trucking industry and its future potential.

Wallace G. Kittredge
Director, Commercial Motor Vehicle Division
Dept. of Public Utilities
Boston, Mass.

Sirs:

. . . I will always have this issue at my elbow and expect to spend many hours reading and rereading its many fine articles.

Gerald D. Nepon
Berman Leasing Co.
Pennsburg, Pa.

Sirs:

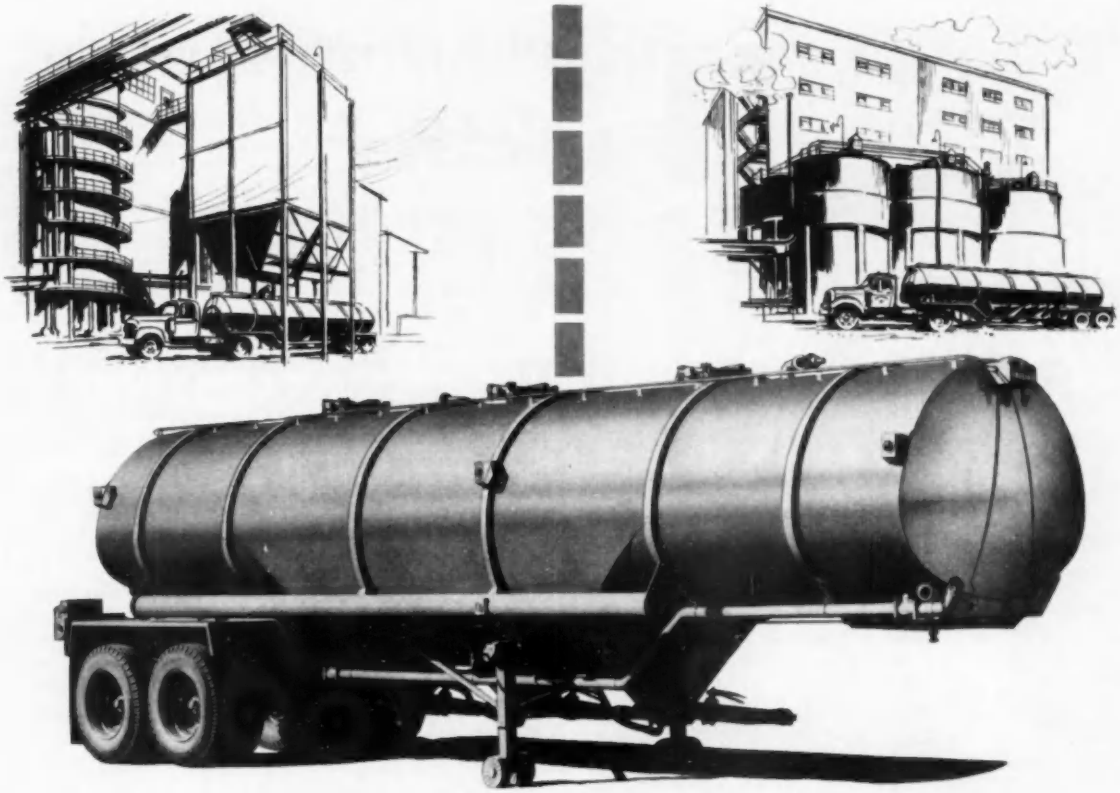
. . . Now that the issue is out, can we *please* have a vacation.

The CCJ Editorial Staff
Philadelphia, Pa.

END

Please Resume Reading Page 9

More details? Circle 234 on reply card inside back cover



Fruehauf Dry Bulk Trailers Reduce Handling Costs Up to 40%!

Fruehauf Hopper Pressure Tank-Trailers with built-in pneumatic unloading facilities bring you substantial savings in the handling of dry bulk commodities.

- Loading and unloading time is drastically reduced
- Bagging costs are eliminated
- Storage space is freed for more profitable uses
- Double handling of raw materials is stopped

Fruehauf, the largest producer of pneumatic discharge Trailers, offers a complete line of dry bulk haul units, has designed models for the successful hauling of cement, flour, and over 500 other *different* dry bulk commodities.

If you're looking for a better, faster, lower cost way to handle your dry bulk commodities, it will pay you to investigate the Fruehauf bulk haul line. For full information on the savings built into Fruehauf Bulk Haulers fill out and mail the coupon below. Or, better yet, ask your local Fruehauf Representative to give you all the facts. You'll find his address in the Yellow Pages.

"ENGINEERED TRANSPORTATION" — The Key to Transportation Savings

Fruehauf Produces . . . Aluminum, Steel and Stainless Steel Volume☆ Vans • Tank-Trailers • Bulk Haul Trailers • Furniture and Electronics Vans • Cattle Vans • Platform Trailers • Dump Trailers • Carryalls • Containers • Trailer-Strong Truck Bodies • Plus . . . Ground Support Equipment for the Military

FRUEHAUF TRAILERS

FRUEHAUF TRAILER COMPANY 10940 Harper Avenue • Detroit 32, Michigan

Please send me complete information, without obligation, on Fruehauf Dry Bulk Haul Trailers. I am interested in handling the following dry bulk commodities_____

Name_____ (please print)

Address_____

City_____ State_____

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Repair Stripped Threads ...even in Aluminum AND CUT REPAIR COSTS!

Make thread repairs in minutes, for only pennies per hole. Use ***HELI-COIL®*** Stainless Steel Wire Screw Thread Inserts to restore threads to original dimensions . . . no need to change screw sizes! Permanently prevent wear, stripping, corrosion, galling and seizing. Provide lifetime protection to tapped holes in all metals . . . even in aluminum, magnesium and other light materials.

HELI-COIL EZY-KITS contain individual EZY-PACKS of inserts in selected sizes, plus installation tools. Popular combinations for all car and truck engines, in all thread series and sizes. MM sizes in all reaches for spark plug ports, and inserts for taper pipe threads also available.

For descriptive literature, including Metric and Whitworth Thread Conversion, and name of your ***HELI-COIL*** jobber, write . . . 2066

HELI-COIL CORPORATION
4511 Shelter Rock Lane, Danbury, Conn.
In Canada: ARMSTRONG BEVERLEY ENGINEERING LTD.
6975 Jeanne Mance St., Montreal 15, Que.

More details? Circle 273 on reply card inside back cover

High strength steel in bodies

IN RECENT YEARS, the steel industry has produced new high strength steels particularly well suited for trailer and body construction. Steel is not simply steel anymore. There's a type to meet almost any construction requirement or fabrication need.

What is the most serviceable material to use? This has been the subject of a continuing study by engineers of the Boyertown Auto Body Works, Boyertown, Pa. Boyertown's answer: High strength steel.

High strength steel, Boyertown reports, gives the best all-around cost, weight, strength and corrosion factors in delivery body construction. Boyertown was one of the pioneers in the use of high strength steel, but has built bodies out of many other materials on an experimental and commercial basis.

By using high strength steel, Boyertown has been able to save from 600 to 650 pounds over ordinary mild steel in a 12-ft forward control delivery body. This is accomplished without sacrifice of strength.

For its exterior and interior panels, posts, ribs, cross members, floors, doors and windshield assembly, 22, 18, 14 and 12 gage high strength steel is used. For these purposes, Boyertown specified Jalten No. 2 high strength steel made by Jones & Laughlin Steel Corporation.

Maintenance is the area in which high strength steel has its greatest advantages, Boyertown reported. Among the reasons cited were these:

- High strength steel has greater abrasive and impact resistance. It is less subject to dents and wear. When dents do occur, they are easily "bumped" out, or selective parts can be cut out and replaced by using standard welding techniques and equipment.
- Standard mill size sheets are used by Boyertown. If replacement is necessary, maintenance men can get the Jalten sheets promptly from a steel warehouse.
- High strength steel has a corrosion resistance of four to six times greater than that of mild steel. In addition, Boyertown, as a standard procedure, coats all material with zinc chromate as a rust inhibitor.

"JUMP over, Stupid! Want to pay a highway use tax?"

You name it...
We've got it!

The COMPLETE QUALITY line of parts and accessories!

Whatever your replacement problem, MOPAR has the answer!

MoPar now covers all the bases with the COMPLETE QUALITY line—parts and accessories for virtually all popular makes of vehicles. Engineered and manufactured to exacting specifications, this new, complete line includes:

For CHRYSLER CORPORATION vehicles—

GENUINE "NEW" MOPAR PARTS AND ACCESSORIES
MOPAR APPROVED REMANUFACTURED PARTS

For OTHER MAKES of vehicles—

NEW MOPAR PARTS WITH UNIVERSAL APPLICATION
REMPAR QUALITY REMANUFACTURED PARTS

With these new or remanufactured parts, you can service more vehicles—faster—more profitably—because these quality parts fit right and work right.

Your MoPar Parts source offers fast, efficient service and delivery on any order of any size. Call your MoPar Parts Wholesaler or Chrysler Motors Corporation Dealer . . . today!

MoPar®

PARTS AND ACCESSORIES

MoPar Parts and Accessories, Chrysler Motors Corporation, Detroit 31, Michigan

More details? Circle 222 on reply card inside back cover

WHAT'S NEW in trucks and tractors

Fold out free reply cards inside back cover. Use them to find out more about all the items that interest you

Brockway offers all-new line of medium and medium-heavy trucks

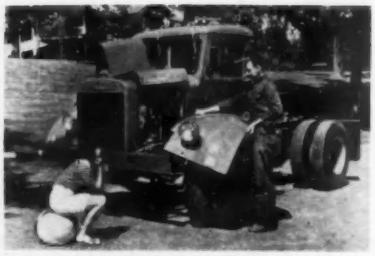
A COMPLETELY NEW line of medium and medium-heavy trucks is now replacing previous models in these classes from Brockway Motor Trucks, Cortland, N. Y. designed for both short-haul and over-the-road service are 14 tractor, cargo and tandem-axle truck models. All feature a 90-in. BBC dimension and offer an evenly graduated power range of 125 to 200 hp.

Tractor GCW's are from 45-60,000 lb. GVW's range from 23-36,000 lb for cargo models and 40-50,000 lb on tandem axles.

Heading the lineup is the 158 series offering a choice of gasoline or diesel power. The all-new Model No. 44BD gasoline engine is described in detail on page 258 of this issue. Diesel powerplant in the series is Cummins Model No. C-160 6-cyl, OHV engine rated at 160 hp @ 2500 rpm.

Body construction features for the entire new line include:

- Extra-strong box-type frame.
- Wide-track front axle for more stability and maneuverability.
- New all-steel cab of bolted construction with safety glass throughout.
- Enlarged frontal area and cooling system.
- Improved front suspension and steering linkage.
- Set-aside fenders for easy access to engine area. With just two bolts holding each fender, they are quickly removed (see photo above).



- Quick-coupled electrical connections are made through a junction box on the frame rail.

Want more details? Circle 406 on card

Chevrolet's heavy-duty line now offers diesel power with the addition of five new truck models—three low-cab-forward and two tilt-cab. All are powered by a 195-hp, 6-cyl, 2-cycle diesel engine and have a maximum GCW rating of 51,000 lb. GVW's range from 18,500 to 25,000 lb. Lowcab forward models have wheelbases of 121, 133 and 145 in. with respective cab-axle dimensions of 60, 72 and 84 in. Tilt cabs are available on 97- and 109-in. wheelbases with cab-axle dimensions of 71 and 83 in. Standard equipment on all models includes full air brakes, 5-speed transmission, 2-speed axle, 205-amp hr battery and 52-amp AC generator. Optional on 133-and 145-in. wheelbase low-cab-forwards are I-beam front suspensions.

Earlier this year, Chevrolet introduced 15 medium-duty models powered by a 4-cyl, 130-hp, 2-cycle GM diesel engine. With the advent of the diesel-powered units, an intensive service training program is underway for both company and dealer personnel.

Want more details? Circle 460 on reply card

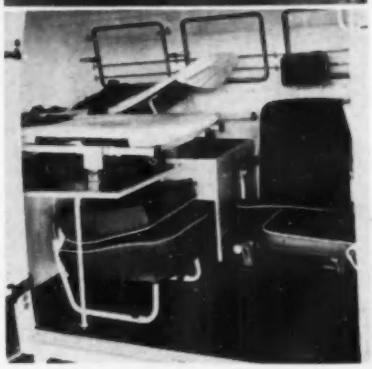
VW adds gas gage for '62

ONCE AGAIN, Volkswagen retains its familiar look in 1962, in its same lineup of truck models. But these standard improvements are added throughout the line:

- Gasoline gage.
- Front turn signals, larger tail lights, 4-way emergency flasher.
- Adjustable front seats.
- Mechanical design changes, including several lube-free parts.

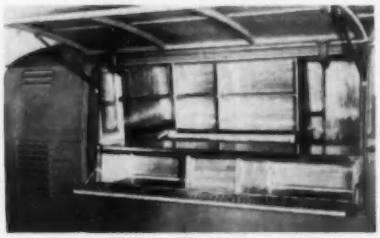
"POLAR BEAR" frozen food delivery truck is polystyrene insulated, has PTO-operated reefer unit (and electric-powered standby motor) to hold temperatures down to —0 deg F.

To find out about VW's suited to your fleet's needs, circle 378

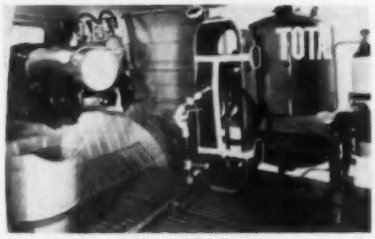


AMBULANCE has 2 stretchers, 3 seats, first-aid cabinet, and double side door in rear compartment. Glass partition separates cab from rear

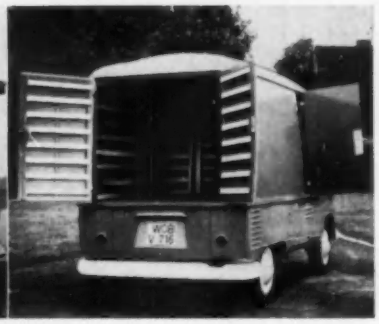
MOBILE STORE is panel truck with side door lifting upward to expose display counter, shelves, etc.



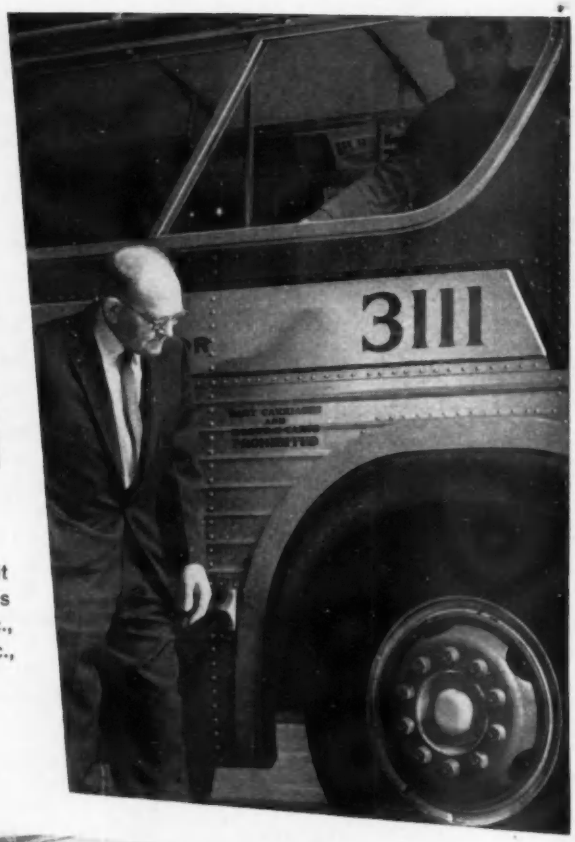
FIRE TRUCK (panel) has tanks of extinguishing material and nitrogen, 82-ft hose, 6 portable extinguishers



PICKUP TRUCK (below) has three-man cab and extra-wide bed with storage compartments underneath. Left, rear gate and sides drop for loading bulky cargo. In center, it's equipped with 40-ft swivel-type aerial ladder. Van body (right) or stakes and tarpaulin provide enclosed cargo space



"We have steel disc wheels that



In the largest city in the world, one of the world's largest transit systems — carrying more than 400 million people a year. Shown is Mr. P. C. Faith, technical assistant, Fifth Avenue Coach Lines, Inc., operators of Fifth Avenue Coach Lines and Surface Transit, Inc., serving New York City, the Bronx and Westchester County.

have been in service since 1939."

City buses don't pay off on down time. They must keep on the go to make a profit. To find out what a really big operator thinks about steel disc wheels, we went directly to one of the world's largest and oldest systems—Fifth Avenue Coach Lines, Inc., New York.

In addition to operating the famous Fifth Avenue buses, this company also owns Surface Transit, Inc. In 1960, the combined lines, with 2,232 buses covering all of New York City, the Bronx and Westchester County, logged 53,461,734 revenue miles and carried 416,709,401 passengers.

Making about 8 stops per mile, day-in and day-out, year after year, these large, heavy buses provide a rigorous test of wheel stamina. Some of the steel disc wheels on these buses are still going strong *after more than 20 years' service.* Periodic inspection, cleaning and an occasional paint job is about all the maintenance they require.

In commenting on the company's experience with steel disc wheels, Mr. P. C. Faith, technical assistant to the director of maintenance, Fifth Avenue Coach Lines, Inc., says: "You can't set a time limit on the life span of a steel disc wheel if it is properly serviced and maintained. What more can you ask for in a wheel? We have steel disc wheels that have been in service since 1939; a few have been on since 1937."

USS Carbon Steel Plates and USS Hot Rolled Special Rim Sections go together to make steel disc wheels that stay round and true. Their smooth rolling qualities increase tire and vehicle life, cut down driver fatigue, add to passenger comfort and protect your cargo. Always specify disc wheels of USS Steel for your new equipment. *You can do it for less than you might think!*

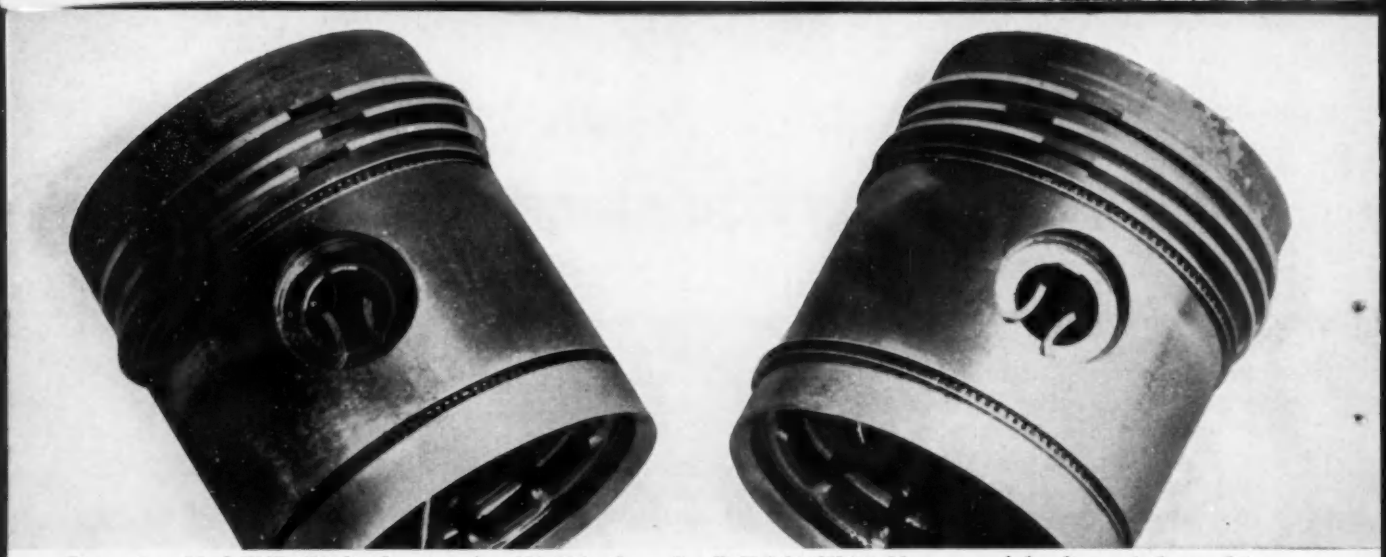
United States Steel Corporation • Columbia-Geneva Steel Division • Tennessee Coal and Iron Division • United States Steel Export Company

This mark tells you a product is made of modern, dependable Steel.

United States Steel

TRADEMARK

SAY "WHEN" FOR ANY KIND OF TRUCK



Pistons from Mack END-673 diesel engine after 410,906 miles on Rotella T Oil 20W/40. Note unusual cleanliness of oil control rings.

CLEANER ENGINES:

"We gave Shell Rotella T Oil 20W/40 a rough, 400,000 mile test. Engine parts stayed unusually clean. Engine wear was negligible."

—reports a large fleet operator in North Carolina

Since Shell Research developed Rotella T Oil 20W/40 in 1956, many fleet operators have reported successful tests with this remarkable multi-grade oil.

Here is a typical case history. Read what this fleet operator found after testing Shell Rotella® T Oil 20W/40—and how it can help you cut your operating costs.

A LARGE fleet operator in North Carolina has completed a test of Rotella T Oil 20W/40 in heavy-duty, over-the-road service.

The test engine was a Mack END-673 diesel. It had already run 18,000 miles using an ordinary MIL-L-2104A lubricant, before Shell Rotella T Oil 20W/40 was put in the crankcase.

Still clean, negligible wear

When the engine was dismantled after 410,906 miles on Rotella T Oil 20W/40, the company's shop foreman reported some significant results:

- Engine parts were unusually clean, with no sludge anywhere.
- Piston rings and grooves were free of carbon, and oil control rings were completely open (see photo above).
- The average cylinder bore measurements indicated a change in cylinder diameter of only 0.0016 inches for the total test mileage.

Lower operating costs

Here are three other advantages that turn up in operators' reports on Shell Rotella T Oil 20W/40. All of them can help cut operating costs.

1. Shell Rotella T Oil 20W/40 can help extend oil drain intervals and save labor time and costs.

2. Shell Rotella T Oil 20W/40 can help reduce maintenance costs and cut engine down time.

3. In very severe weather conditions, Shell Rotella T Oil 20W/40 can reduce starting troubles. With easier startings, fuel savings are possible because of reduced drag due to oil's lower viscosity.

For full details on Shell Rotella T Oil 20W/40, see your Shell Industrial Products Representative. Or write: Shell Oil Company, 50 West 50th Street, New York 20, N. Y.

SHELL

A Bulletin from Shell
—where 1997 scientists are working to provide better products for industry

More details? Circle 238 on reply card inside back cover

SAY "WHEN" FOR ANY KIND OF TRUCK

need a van, panel, pick-up, walk-in . . . and need it fast?

Hertz specializes in getting you the truck you want—and getting it to you fast! You get new Chevrolet, GMC or other famous make trucks. And you can choose from a wide variety of types—van, stake, panel, pick-up or walk-in. Tractors and trailers are also available in many cities. All you need is proper driver's license and identification. And Hertz low rates include insurance, gas and oil, even if bought on the road.

Play it smart! Don't tie up needed cash in "stand-by" trucks that are used only as replacements or during peak periods. Rent trucks from Hertz *when* you need them—and conserve your capital! Trucks are available by the hour, day or week. Also available on long-term leasing basis for economical year-round operation.

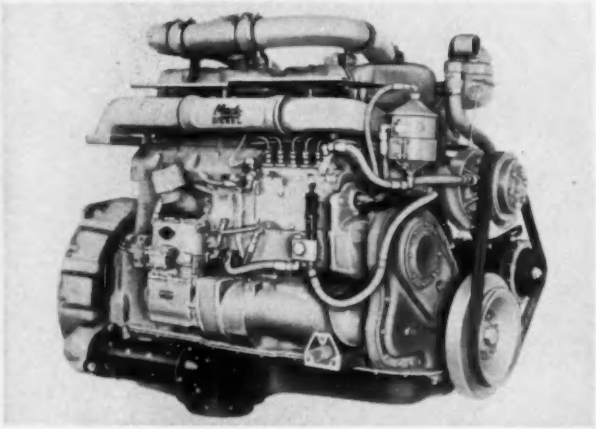
no investment . . . no upkeep

RENT HERTZ TRUCKS

More details? Circle 239 on reply card inside back cover

WHAT'S NEW in engines

Fold out free reply cards inside back cover. Use them to find out more about all the items that interest you

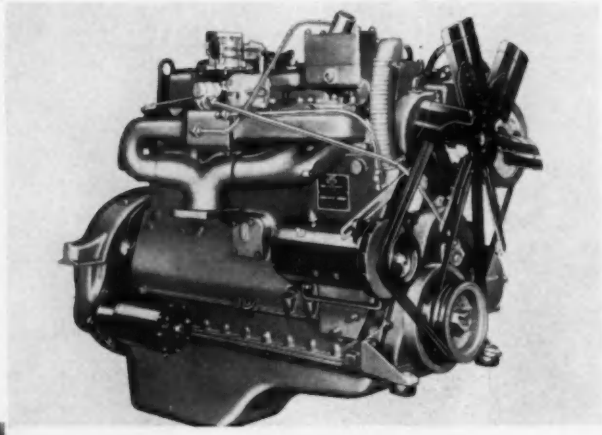


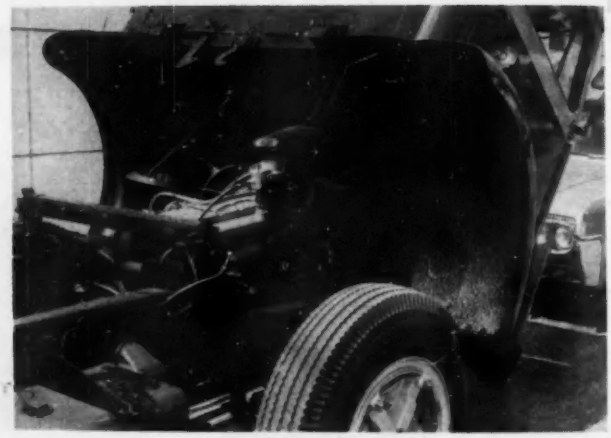
Improved diesel engine with more power at virtually no weight increase is the PowerRam Thermodyne model just announced by Mack Trucks, Plainfield, N. J. A new air intake principle adds 10 hp to the basic Mack END-673 diesel. Improved version is designated the END-673P. It's rated at 180 hp @ 2100 rpm with 505 lb ft of torque @ 1400 rpm. The new system increases intake valve air pressure to permit burning of more fuel for greater power. Air-fuel ratio remains the same—hence, added power without added smoke.

Want more details? Circle 461 on reply card

Brockway-built gasoline engine is being introduced in the new 158 series (see page 252) from Brockway Motor Trucks, Cortland, N. Y. Designated the Model No. 44BD, the new engine is designed for both short-haul and over-the-road operation. The 478-cu in., OHV, in-line, 6-cyl powerplant develops 200 hp at 3000 rpm, has gross torque rating of 385 lb ft. To facilitate its installation in vehicles of 90-in. BBC dimension, the engine is specifically engineered to pack more power into a unit of reduced length.

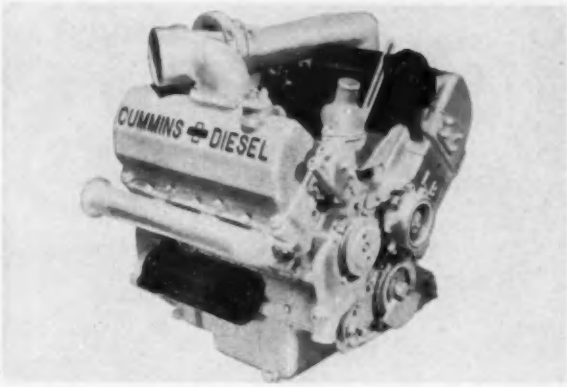
Want more details? Circle 462 on reply card

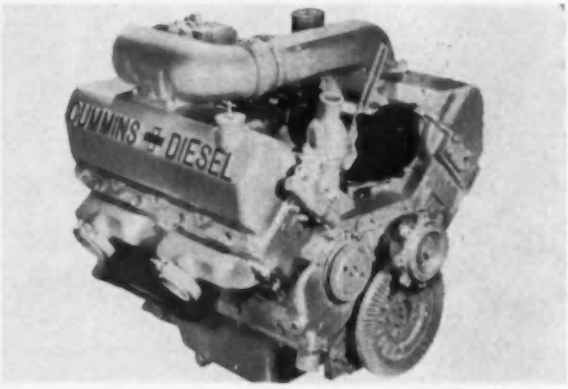




Undercab-mounted diesel engine is the new White-Perkins model now offered as an option by White Motor Co., Cleveland, Ohio, in its new 102-in. wheelbase White Compact multi-stop trucks of up to 28,000 lb GVW. The 354-cu in., 6-cyl., in-line diesel engine is a direct-injection type of 4-cycle design with 16 to 1 compression ratio. It develops 120 hp at 2800 rpm with maximum gross torque of 260 lb ft. Total weight is 980 lb including all standard accessories and either vacuum pump or air compressor.

Want more details? Circle 463 on reply card





Cummins cuts size, weight in new diesels

FIRST TWO MODELS in a radically new family of diesel engines have just been announced by Cummins Engine Co., Columbus, Ind. The 4-cycle, naturally aspirated engines combine all the advantages of big-diesel power with the compact size and light weight of gasoline engines. An extreme "oversquare" design (5½-in. bore and 4⅛-in stroke) actually reduces piston speed and travel. This permits development of peak horsepower at higher speed in engines of smaller size and lighter weight.

Featured now are a 200-hp V-6 and a 265-hp V-8, both developing maximum hp at 2600 rpm.

The V6-200 (top left photo) is a 588-cu in. unit rated at 444 lb ft of torque @ 1800 rpm. It weighs only 1475 lb (7.4 hp per lb) or 975 lb less than the NHE-195 and NH-220 and 485 lb less than the comparable 2-cycle V diesel.

The 785-cu in. V8-265 (top right photo) has a torque rating of 585 lb ft at 1800 rpm. Weighing 1800 lb, it's 790 lb lighter than the NH-250 and 711 lb under the comparable 2-cycle V diesel.

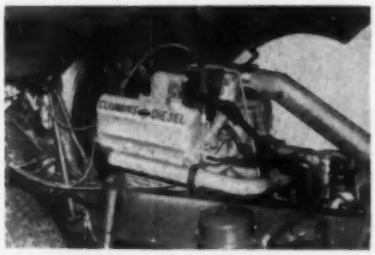
Life expectancy of the new V engines equals or exceeds that of the NH series because:

- Cylinder pressures (BMEP) are six to eight per cent below NH pressures.
- Exhaust temperatures are 11 to 14 per cent lower than in NH diesels.
- Piston speeds are 15 per cent slower in the new units.

Later will come two smaller V-6 models rated at 120 and 150 hp, both at 3000 rpm, and weighing-in at 850 and 855 lb respectively. Still later will come larger models up to 1000 hp. A new 100,000-sq ft plant is being rushed to completion in Columbus to accommodate full-scale production of the new diesels.

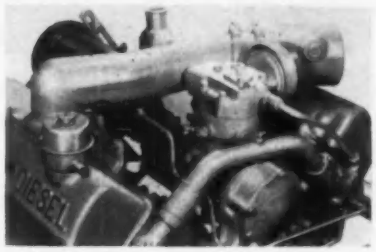
Meanwhile, the old familiar ones will be continued . . . at least for the foreseeable future.

Circle 376 on reply card to get more diesel details from Cummins



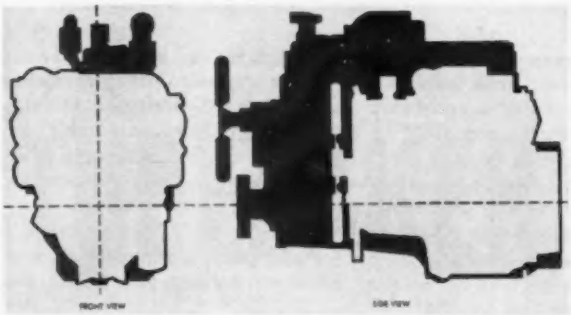
This V-6 installation shows compact design. Fuel and oil passages drilled in block eliminate external tubing

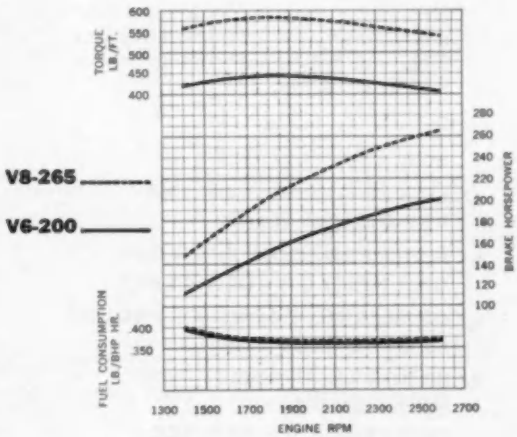
With 90-deg V design, engines are compact, well-balanced. Accessories located in V are easily accessible



Horsepower, torque and fuel consumption curves in chart at right represent performance ratings of the V6-200 and V8-265, indicate their outstanding fuel economy

Silhouettes below show size comparison between the new V diesels (white) and the present NH series (gray)





FACTS ABOUT THE EXCITING

FACT 1—Lark's wheelbase is a comfortable 113". Pioneered by Lark for fleet use 4 years ago (but only now being adapted by competition), the medium wheelbase is considerably longer than the little compacts' and assures a better ride on any surface, plus the "solid" feel so important to the driver.

FACT 2—Lark's over-all length is a sensible 188". Compared to other "new-size" cars, which measure upwards of 196" over-all, '62 Lark's almost total absence of deadweight overhang is an important economy factor. Relatively short length also guarantees easy parking and space-saving storage and shop room.

FACT 3—Lark's front headroom is 36". Front legroom 43.5". This means more comfort for driver and one **or two** front passengers. Wide front doors have no big, knee-knocking doglegs; they do have flush floors (no wells); a man can get in and out of a '62 Lark without knocking his hat, tripping or skinning his shins.

- ✓ **LOWEST-PRICED OF THE "NEW-SIZE" CARS**
- ✓ **MORE LEGROOM THAN ANY CAR PRICED UNDER $5,000**
- ✓ **OPERATING ECONOMY PROVED IN OVER 1,000 FLEETS**
- ✓ **ENDURANCE-BUILT BY STUDEBAKER FOR YEARS OF SERVICE**

There are many other Fleet-size '62 Lark **facts** that you, as a fleet operator, should know. These include Lark's new and more efficient rust-proofing, its 12 new noise-suppressors, exclusive front—**and rear**—standard seat belt anchorages and other Lark economy, safety and comfort advances.

You should also know about the fleet records Lark has made in economy, long life, high trade-in value, low maintenance costs and freedom from frequent repair and adjustment necessity.

For complete information, specifications, a full list of available options and a report on Lark's suitability for **your particular** type of fleet or fleets, fill out, clip and mail the coupon. **When you balance your books, you might be very glad that you did!**

NEW '62 *FLEET-SIZE* LARK

FACT 4—Lark's rear legroom is 49". Only the biggest cars, like Cadillac, have more rear legroom than Lark. Rear seat passengers can stretch their legs and really relax. Same flush floors and wide doors as up front, make getting in and out easy. Redesigned trunk roomier than ever, has low-cut opening for easy loading.

FACT 5—Lark's new ladder-type frame is 20% stronger. Rigidly bolted to the heavy gauge steel frame is Lark's solid, welded steel body. This construction is the safest known and the easiest, fastest and least costly to repair after crash damage. Bolted-on fenders, easy to replace—an unskilled laborer can do it in minutes.

FACT 6—Lark offers widest power choices. Lark's standard Six is 112 HP. You also have 4 choices of V-8 engines, from 180 to 225 HP. Four transmissions — including gas-saving overdrive — and six rear axle ratio choices (the latter at no extra cost), make it possible to power-match the '62 Lark to every specific fleet need.

NEW '62 LARK

STUDEBAKER

Maker of America's best-built cars and trucks

GET THIS VALUABLE INFORMATION RIGHT NOW!

Send me all the data on the '62 Fleet-size LARK and your special Report on its particular suitability for my usage in fleet operation.

Name_____

Title_____

Company_____

Address_____

City_____ Zone____ State_____

Please check the following: **Type of business.** Public utility ☐ Taxicab ☐ Rental and/or lease ☐ General business ☐ Oil industry ☐ Municipal ☐ State ☐ Federal Gov't. ☐ Police or patrol ☐ **Number of units in fleet.**_____

Mail your coupon to: Mr. A. E. Fitzpatrick, Mgr. of Fleet Sales, Studebaker, South Bend 27, Indiana.

CCJ-11-62-1

WHAT'S NEW in fleet cars

The all-new Mercury Meteor and Meteor Custom comprise a series just announced by Lincoln-Mercury Division. Fitting between the Comet and Monterey in size, performance and price, Meteor models come in 2- and 4- door sedans. They're on a 116½-in. wheelbase with overall length of 203.8 in. and 69-in. width. A 170-cu in., 6-cyl engine is standard. Optional power choice is a brand new 221-cu in. V-8. Standard features include 2-yr engine coolant, 6000-mile oil change and 30,000-mile lube intervals, replaceable-element 30,000-mile fuel filter, and water-warmed aluminum carburetor adapter which eliminates usual heat riser valve.

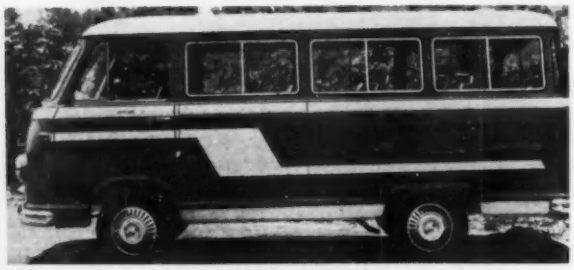
For more details on the Meteor, circle 379 on card

1962 Simca '5' economy sedan is a family-size, 4-door model just introduced in Simca dealers' showrooms across the country. Its new Rush Super engine is said to provide outstanding performance, operating smoothness, quietness and durability. Features of the economical 4-cyl engine include:

- Rating of 65 hp which is 30 per cent greater than that of the previous Simca Flash engine.
- Five-main-bearing crankshaft modeled after the higher-priced sports and racing cars.
- New centrifugal oil filter mounted on the end of the crankshaft.

To get more Simca details, circle 380 on card

WHAT'S NEW in buses



Two versions of the Borgward bus are now being distributed by Borgward-Taylor Truck & Coach Co., West Palm Beach, Fla. Both are powered by an economical 60-hp engine mounted on forward-control chassis with dual rear wheels. The 18-passenger model is for use in small city transit systems, shuttle service and guest transportation by hotels and resorts. An 11-passenger bus has rear luggage compartment for airline transport service.

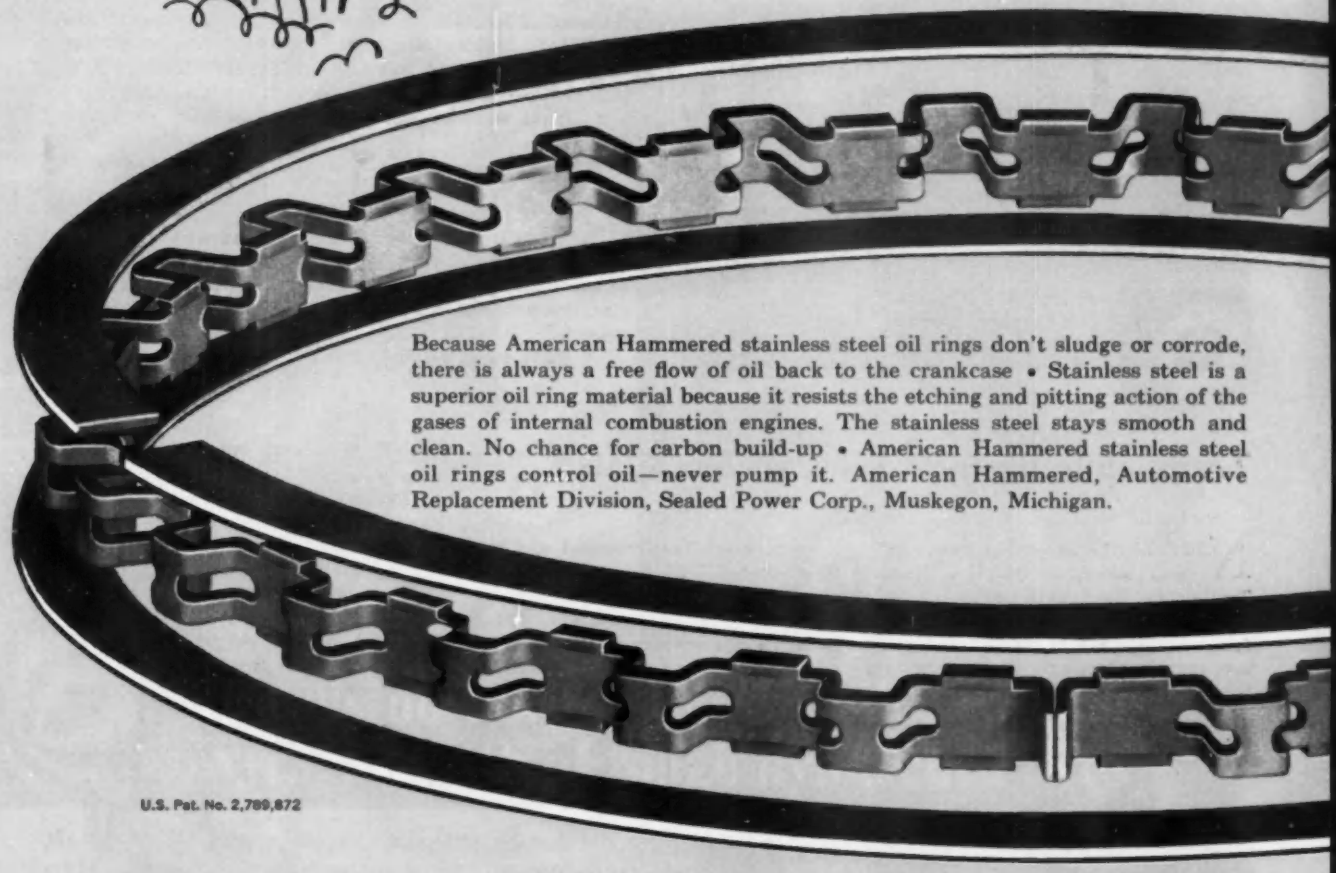
Want more details? Circle 464 on reply card

Volkswagen station-wagon bus retains its familiar look and operating economy for 1962. But there are mechanical and safety improvements. A gas gage is now offered as standard, also turn signals. A Flasher switch operates all four turn signals simultaneously for emergency warning. Maintenance needs are reduced by lubed-for-life joints and bearings in tie rods, clutch and brake cables. The vehicle seats nine comfortably, has 59-mph cruising speed.

Want more details? Circle 465 on reply card

More details? Circle 241 on reply card inside back cover

They don't sludge or corrode



Because American Hammered stainless steel oil rings don't sludge or corrode, there is always a free flow of oil back to the crankcase • Stainless steel is a superior oil ring material because it resists the etching and pitting action of the gases of internal combustion engines. The stainless steel stays smooth and clean. No chance for carbon build-up • American Hammered stainless steel oil rings control oil—never pump it. American Hammered, Automotive Replacement Division, Sealed Power Corp., Muskegon, Michigan.

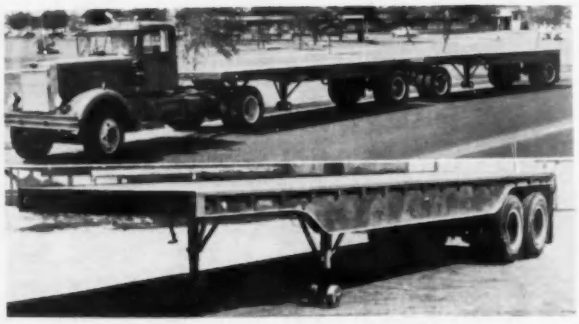
U.S. Pat. No. 2,789,872

AMERICAN HAMMERED

AMERICAN HAMMERED PISTON RINGS

stainless steel oil rings

WHAT'S NEW in trailers



Two western perimeter-frame platform trailer models are added to its line of "Giants" by Dorsey Trailers, Elba, Ala. Both are of hi-tensile steel. Model PSWD-20 doubles (top) carry 30,000-lb trailer rating, come in 21 to 28-ft lengths. Tandem-axle Model PSTW has 55,000-lb capacity in 35 and 40-ft lengths.

Want more details? Circle 466 on reply card

New hi-tensile steel dump trailer from the Heil Co., Cleveland, weighs only 8900 lb—1200 lb less than a comparable all-carbon steel unit of the same size. It's corrosion-resistant for longer life with less maintenance.

Want more details? Circle 467 on reply card

Trailmobile has new vans, reefers, flats

NINE TRAILER models have just been added to the line from Trailmobile, Cincinnati, Ohio.

Series/70 vans include six dry-freight unites: The C-78 horizontally-corrugated aluminum van (shown below); an exterior-post aluminum van; horizontally-corrugated and exterior-post Lo-Level vans; smooth-panel and integral-post steel vans. All models feature a new 4-in. upper fifth wheel structure with sandwich-grid construction and one-piece forged kingpin capable of withstanding 150,000-lb horizontal impact, permitting use in piggyback service.

Reefers—one for general hauling and a special meat trailer—have a solid seamless wall of foamed-in-place insulation around cargo area.

Heavy-duty flatbed (below) converts to opentop with aluminum panels and tarp bows which store in rack at trailer front.

Want more details? Circle 405 on card

There's no telling when you'll need the extra strength of tough nylon cord tires

Many flat tires happen just this way. The sidewall hits a curb and gets cut. Moisture seeps in, rots the cord. After that, it doesn't take much of a jolt to flatten the tire.

But there might not have been a cord failure if the truck had nylon cord tires. That's because nylon holds up under conditions that could rupture other tire cord.

Lab tests, road tests and millions of miles of use prove it. Nylon has far greater resistance to moisture rot, heat damage, flex break and impact damage. At turnpike speeds, nylon cord tires—grade for grade—are almost twice as strong as tires made with rayon cord, including Tyrex rayon.

Nylon's greater strength also means greater tire mileage. According to a survey of truckers, nylon tires go more original miles; then are retreaded up to 5 times. Remember these facts next time you buy truck tires: Nylon is stronger, more dependable, more economical.

CHEMSTRAND NYLON®

MEMBER OF THE ATA FOUNDATION

Chemstrand makes only the yarn; America's finest tire manufacturers do the rest.

THE CHEMSTRAND CORPORATION

GENERAL SALES OFFICES: 350 FIFTH AVE., N.Y. 1, N.Y. • DISTRICT SALES OFFICES: 350 Fifth Ave., New York 1; 3½ Overwood Rd., Akron, Ohio; 129 West Trade St., Charlotte, N.C.; Canadian Agency: Fawcett & Co., 34 High Park Blvd., Toronto, Canada • PLANTS: CHEMSTRAND® NYLON—Pensacola, Fla. ACRILAN® ACRYLIC FIBER—Decatur, Ala.;

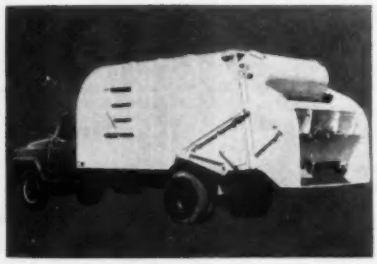
More details? Circle 242 on reply card inside back cover

WHAT'S NEW in truck bodies

Fold out free reply cards inside back cover. Use them to find out more about all the items that interest you

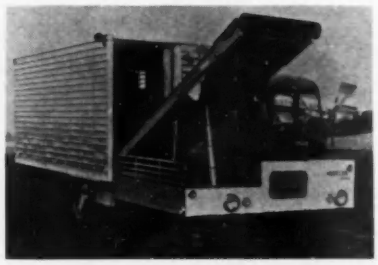
Crew cab conversion unit for GMC and Chevrolet trucks has just been announced by Automotive Industries, Inc., Owendale, Mich. Original lines of the basic cab are carried out through an added length of 38 in. Rear seat is of same construction and design as original front seat. Interior color and trim is also matched.

Want more details? Circle 413 on card



New refuse-handling unit can be completely and automatically dumped in just nine seconds, according to Dow Packer Corp., Fairview, Okla. A single-cylinder hydraulic actuator performs all loading, packing and dumping operations. It's offered in 14-, 16-, and 21-cu yd capacities to fit most regular 2-ton truck chassis.

Want more details? Circle 414 on card



Airfield baggage handling unit is this 10-ton "Hustler" built by Airseco, Jamaica, N. Y. To load, baggage rides out of plane on conveyor into truck body where it's loaded into four bins placed on baggage trucks. Conveyor boom has low reach to load mail into vehicles from low-bed dollies. The "Hustler" is 27 ft long, overall.

Want more details? Circle 415 on card

Refuse packing equipment is now being produced jointly by Converto Mfg. Co. and S. Vincent Bowles, Inc. The Converto-Bowles line includes front-mount, partial, and full-compaction refuse units designed for installation on any make of truck. A wide range of types, sizes and capacity ratings is available. Also offered in the line is a complete trash transfer station operation.

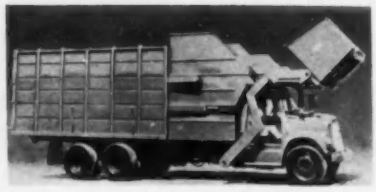
Want more details? Circle 416 on card

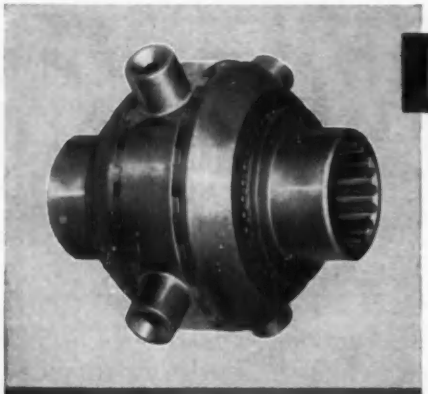
Bulk transport truck is a pressurized, self-loading and unloading unit for handling ammonium nitrate and oil as used for blasting service. It's capable of unloading the nitrate from bulk cars directly into the truck. In unloading, it blends nitrate with oil in measured quantities and under pressure, feeding the mixture directly into prepared drill holes without waste and with maximum safety. Maker is Sprout, Waldron.

Want more details? Circle 417 on card

Mobile offices and sales display vehicle offered for lease by Wheels, Inc., Chicago, is the Traville Business-Mobile. It's fully equipped for working, living and sleeping, including complete kitchen, lavatory with flush toilet and washbowl, and 30-gal water and septic tanks. Optional equipment is available to suit user's needs. It's on a Chevrolet forward control chassis with 135-hp, 6-cyl engine.

Want more details? Circle 418 on card





NoSPIN differentials help maintain profitable fleet operation by *eliminating costly wheel spin*

NoSPIN directs all the available torque to the drive wheel having traction. It completely eliminates losses resulting from unnecessary tread wear. . . . delayed delivery schedules and shock-loading differential and drive-line parts when vehicle equipped with conventional differential becomes stuck in mud, snow, ice or sand. It helps the fleet operator to save on fuel, oil and maintenance.

NoSPINS give truck wheels positive driving traction under virtually all adverse driving conditions. Thousands of satisfied users will give you an enthusiastic endorsement.

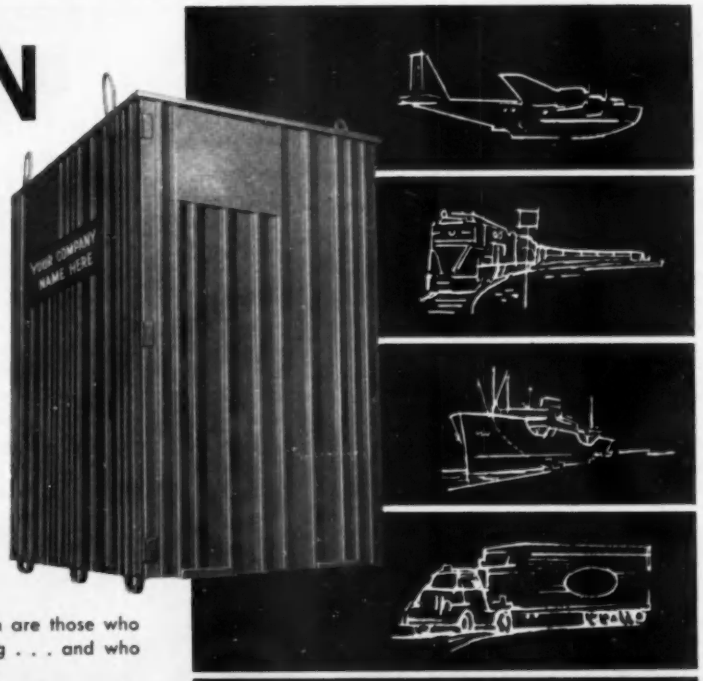
SPECIFY NoSPINS ON YOUR ORIGINAL EQUIPMENT OR INSTALL THEM ON PRESENT VEHICLES—they are easy to install and easy to maintain. No special tools required. Give yourself and your mechanics a break with NoSPIN differentials.

WRITE TODAY
for Complete Descriptive Literature

DETROIT AUTOMOTIVE PRODUCTS CORPORATION
Manufacturers of **THORNTON** *Four-Rear-Wheel* **DRIVES**
NoSPIN *Differentials and Super* **LOAD-BOOSTER** *third axles*
8707 GRINNELL AVENUE — DETROIT 13, MICHIGAN, U. S. A.

More details? Circle 219 on reply card inside back cover

CHAMPION
CONTAINERS ARE READY FOR YOU NOW!



***WHY WAIT?* Containerized shipping will bring: Lower handling costs • Less in-transit damage • Lower freight rates • Less pilferage • Lower insurance rates • Less packaging costs**

Face the future! Containers are here to stay and common carriers are the ones who will gain the most benefits. The companies who will forge ahead in this dynamic age of space and the atom are those who realize the practicability of containerized shipping . . . and who get moving now in this challenging field.

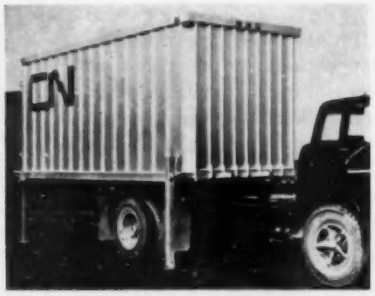
Whatever your needs in containers, Champion has the answer or can dig it up from the wealth of know-how and experience gained in many years in this specialized production.

For a quick answer, write to Norman Dickey, Sales Manager of Special Products.

THE CHAMPION COMPANY
SPRINGFIELD, OHIO

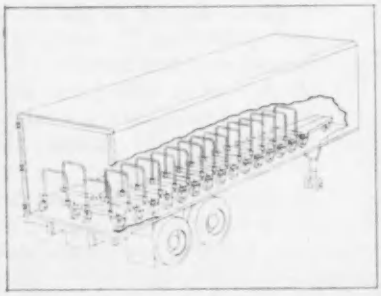
 More details? Circle 220 on reply card inside back cover

WHAT'S NEW in cargo handling



Half-size containers just introduced by Steadman Industries, Toronto, Canada, are 20-ft units that stand on their own four feet. The versatile mobile boxes have legs that fold up into the corners in transit, drop down to permit quick shifting from truck to flat car or vice versa. Half the size of a standard trailer, they go two-at-a-time over the road, are suitable for city delivery at destination. They also facilitate shipment of cargo in less than container load quantities.

Want more details? Circle 407 on card



Towline trucks from Kappen Sales Co., Cincinnati, Ohio, are called Thimbles—because they're shaped like thimbles. When empty, the space-saving units nest within two ft of each other (as shown in sketch above) for a saving of about 60 per cent floor or trailer space. In use, it's easy to unhook loaded Thimble from automatic tow and push it into the trailer. The lightweight units are built in any length with any size wheels, according to user's requirements.

Want more details? Circle 408 on card

Containers for lease from Container Transport International, Inc., are heavy-gage steel units with 12,000-lb load capacity. Features include corrugated-steel outer wall welded to a smooth-steel inner wall with recessed tie-downs. Double-wall construction also permits proper ventilation and protects against water seepage and cargo "sweating." Containers measure 8½ ft long, 7 ft wide, 6 ft 10 in. high, and weigh 1800 lb empty. They're equipped with four special lift cables.

Want more details? Circle 409 on card

Insulated box-within-a-box called Avcold is a frozen food container made by Avco Corp., Nashville, Tenn. It's ideal for short-haul transport of frozen foods without refrigeration or dry ice. Foods loaded at −5 deg F are held below "0" for at least 24 hours, even in summer heat. Outer box of sheet steel and inner box of sheet aluminum are separated by 2½ in. of foamed-in-place polyurethane plastic. Unit is equipped with skids to facilitate forklift handling.

Want more details? Circle 410 on card

Dunnage bag just announced by B. F. Goodrich Co., Akron, Ohio, replaces wood and strapping used to shore cargo in transit. The Squair-Pak dunnage bag is a square-cornered, rubberized-fabric bag that inflates to act as a shock absorber, cushioning freight against damage. It's inserted between sections of heavy or fragile loads, then inflated to form a resilient air column. The broad, flat bag provides uniform pressure and gripping surface across load.

Want more details? Circle 411 on card

20-ton capacity fork lift truck is a new diesel-electric unit for operation on paved or unpaved surfaces. It's designated the Series FLT-20 by R. G. LeTourneau, Longview, Texas. Electric wheel drive and wide-base tubeless tires provide flotation and traction on rough terrain. The 3-wheel unit is powered by a 210-hp diesel engine driving AC and DC generators. All-electric operation is switch-controlled. Control console is part of operator's revolving seat assembly.

Want more details? Circle 412 on card

BARBER'S DELUXE *S-L-I-D-I-N-G* REAR WINDOWS

Pat. Nos. 2,779,487-2,805,997

FOR ALL TRUCKS—*FOR IMMEDIATE DELIVERY*

Ford	International	White	Dodge
Chevrolet	Studebaker	AutoCar	Diamond T
GMC	Reo	Mack	Willys

Fits original rear cab opening! Locks when closed!

Installs in just 20 minutes! Completely Weather Proof!

Barber's DeLuxe S-L-I-D-I-N-G Rear Truck Windows *answer* the many problems . . . Give Drivers full-view rear work opening to operate winch controls, straighten cables, and hear instructions . . . Gives Management a Faster, Safer Job.

Also Units Available for Crew (Cabs) Shelters, Sleepers, Flat Backs, Station Wagon, Sedan Delivery, Panel Trucks and Units Made to Order.

Tempered (heat treated) Safety Glass is now used. This glass is unconditionally guaranteed against breakage for a period of one year.

Now new G. M. type setting rubber is used for easier, faster installation. Delivered overnight to many areas!

BARBER'S GLASS & MANUFACTURING CO.

13 & 15 Harrison • Box 588 • Phone CEntral 5-4358, Oklahoma City, Okla.

More details? Circle 205 on reply card inside back cover

MONARCH ROAD MACHINERY COMPANY

1363 Michigan St., N.E., Grand Rapids 3, Mich., USA

More details? Circle 207 on reply card inside back cover

KIM HOTSTART Pre-Heaters ASSURE INSTANT STARTS IN FREEZING WEATHER

MORE PROFIT DOLLARS

Resulting from Preventive Maintenance

Install the KIM HOTSTART Electric Pre-Heater! — Engines are kept warm between runs, eliminating inside heated terminals. KIM provides instant cold weather starting; reduces service tie-ups and costly repairs. KIM plugs into electric circuit; draws cold water from engine; heats and circulates coolant through engine. Approved and used by all major engine manufacturers.

SEE YOUR DEALER or write direct to Kim Hotstart

KIM HOTSTART MFG. CO.

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More details? Circle 206 on reply card inside back cover

Master FLEET WASHER

LOW COST

AUTOMATIC BUS AND TRUCK WASHER

A MODEL FOR EVERY FLEET LARGE OR SMALL

NOW 3 PURCHASE PLANS

NO CASH INVESTMENT

1. LEASE . . .

2. LEASE, WITH PURCHASE OPTION

YOU MAY PURCHASE ON OPEN ACCOUNT

YOU GET *MORE* and *PAY LESS*

for MASTER FLEET WASHERS

WORLD'S LOWEST PRICED WASHERS

Gentlemen: We are interested in the following information:

- ☐ A free analysis of our washing needs.
- ☐ A quotation.
- ☐ A free survey of our facilities.
- ☐ Have representative call to discuss our purchase of a low cost Master Fleet Washer.

Company Name

By Title

No. and Street

City Zone State

ACME EQUIPMENT, INC.

CENTRAL TRUST BLDG. DEPT. CJ-1161 ALTOONA, PA.

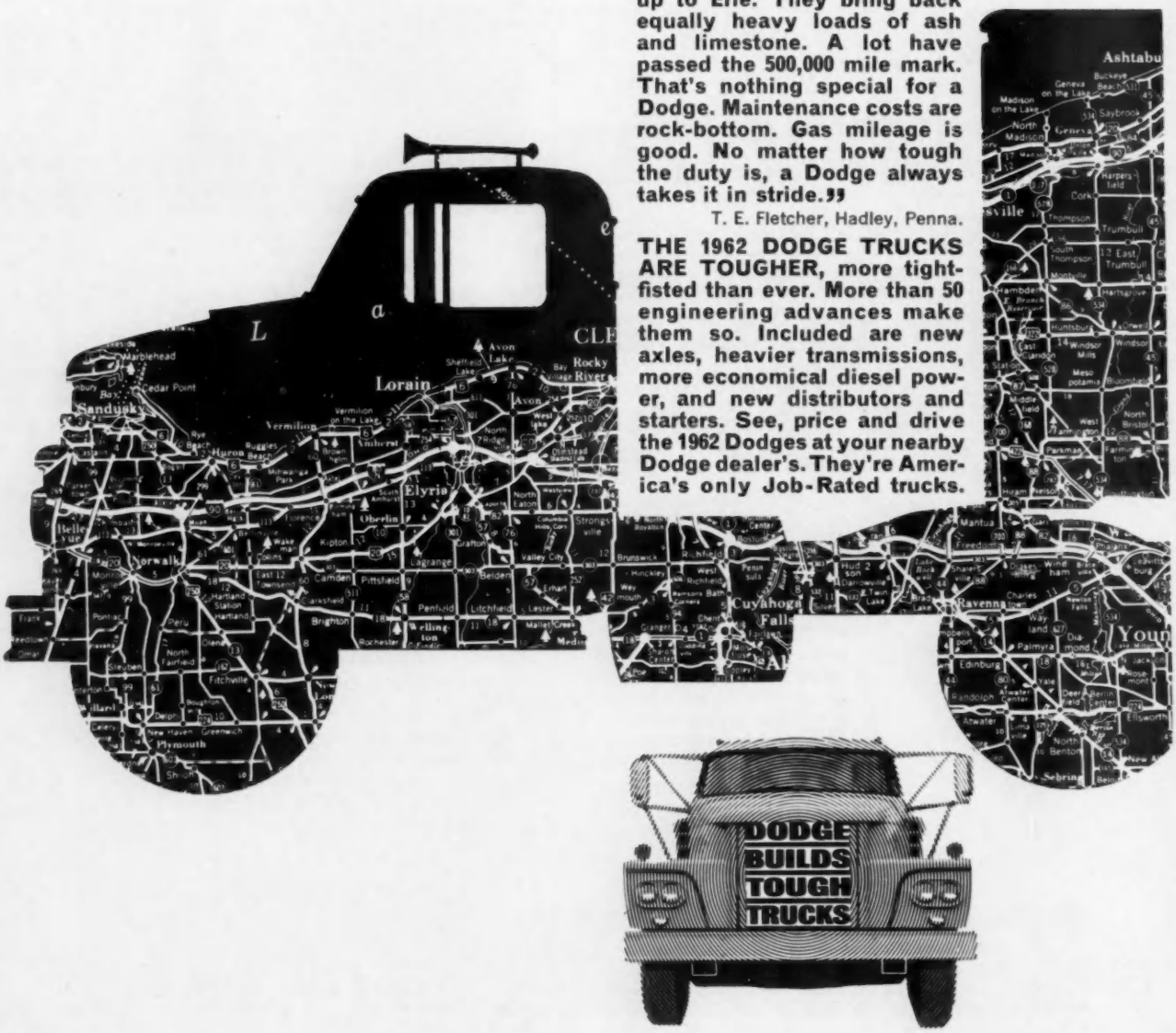
More details? Circle 208 on reply card inside back cover

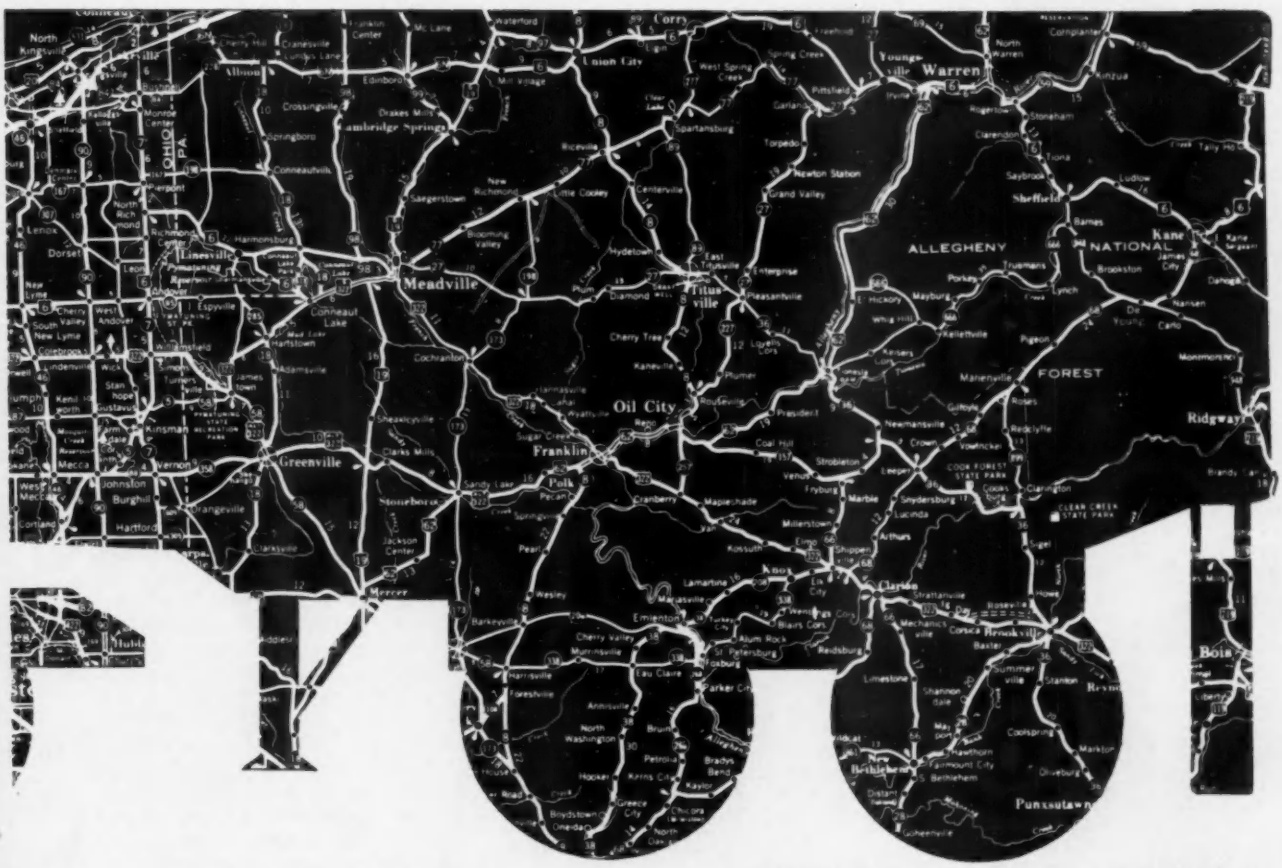
"HAULING 20-TON LOADS 500,000 MILES? NOTHING SPECIAL FOR A DODGE!!!

I own ten Dodge trucks and tractors. Many haul 20-ton loads of coal from strip mines up to Erie. They bring back equally heavy loads of ash and limestone. A lot have passed the 500,000 mile mark. That's nothing special for a Dodge. Maintenance costs are rock-bottom. Gas mileage is good. No matter how tough the duty is, a Dodge always takes it in stride."

T. E. Fletcher, Hadley, Penna.

THE 1962 DODGE TRUCKS ARE TOUGHER, more tight-fisted than ever. More than 50 engineering advances make them so. Included are new axles, heavier transmissions, more economical diesel power, and new distributors and starters. See, price and drive the 1962 Dodges at your nearby Dodge dealer's. They're America's only Job-Rated trucks.





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WHAT'S NEW in vehicle accessories

Fold out free reply cards inside back cover. Use them to find out more about all the items that interest you

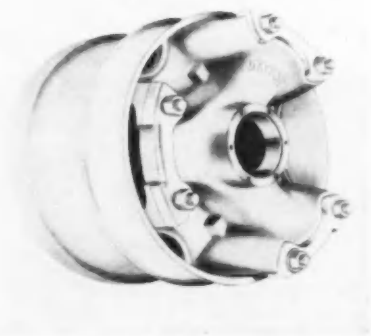
Reycofuse brake drum recently introduced by Reynolds Mfg. Co., Springfield, Mo., is said to be explosion-proof. Higher strength in the braking area cuts drum temperatures, gives longer life.
Want more details? Circle 428 on card

Positive crankcase vent system developed by the AC Spark Plug Div. of General Motors is offered now for older cars as well as the '62 models. Called the PCV system, it has a special valve, tubing and fittings to route crankcase fumes to the intake manifold where they are burned through normal combustion.

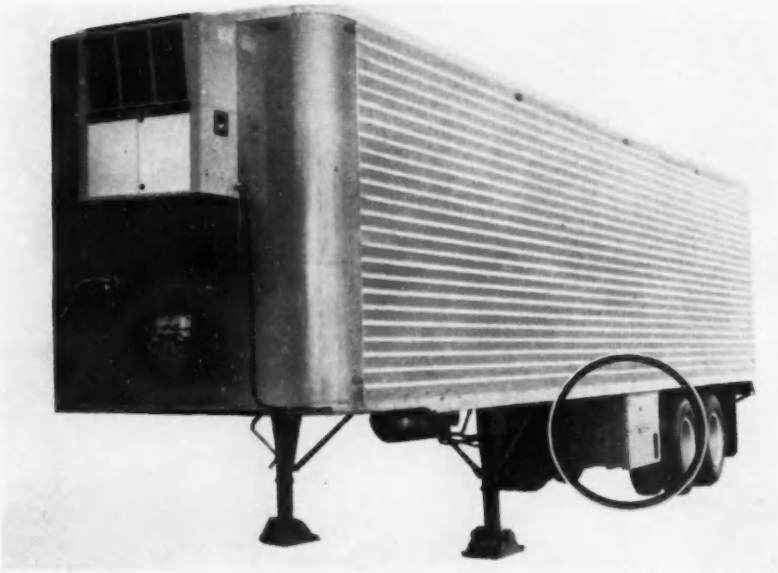
The PCV system is approved by California under its smog control laws. Prices of complete kits range from $5. to $20. depending on make and year of car. Average price is $9.75. Installation time is about 1½ hours.

There's also a tester which shows if the valve needs service.

Circle 377 for full details.



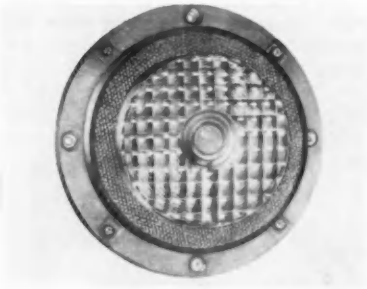
Heavy-duty brake drum from the Dayton Steel Foundry, Dayton, Ohio, has a steel shell with iron in the braking area fused to it. The Dayton drum is said to be in perfect balance, gives true running.
Want more details? Circle 429 on card



Trailer refrigeration units recently announced by Frigikar Corp., Dallas, Tex., come in four "Frigiking" models. They have a 2-piece system. An all-electric hermetically sealed refrigeration unit mounts in the trailer nose. A direct-connected engine generator under the trailer supplies the power. A plug-in power source can be used while trailer is parked. Current is 230-volt, 60-cycle, 3-phase type. Thermostat controls the system automatically—calling for either heating or cooling. Engine starts automatically or can be set for continuous operation if desired.

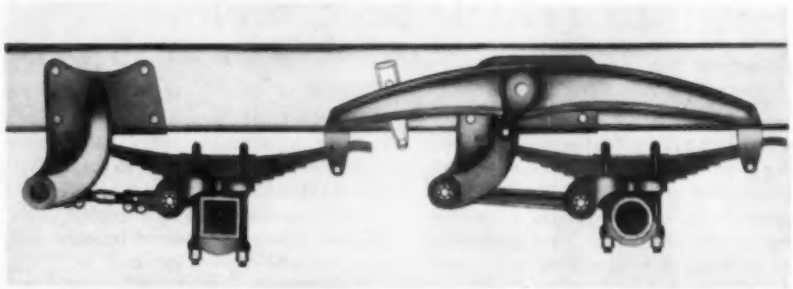
For winter heat and automatic defrost, units have electric resistance heaters rather than the by-pass hot gas and reverse cycle system.

Motor-generator is air-cooled, runs at 1800 rpm. Gasoline, diesel and LP gas power are offered.
For more details, circle 340 on card



Stop-tail-directional signal combination lamp has a 2-filament bulb, is 7-1/16-in. diameter and 1¾-in. deep. It's made by Auto Lamp Mfg. Co., Chicago, also has a Class A Reflex reflector lens.

Want more details? Circle 430 on card

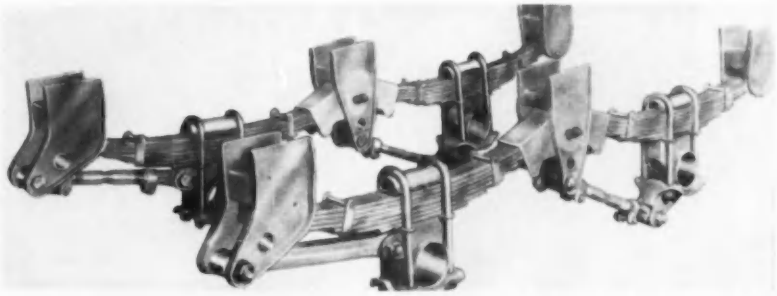


Two new tandem suspensions in the "700" and "720" Series from Page & Page Co., Portland, Ore., feature a "level ride" torque arm assembly. Forward end of the radius rod is lower so that it is parallel to the truck frame when loaded. Longer torque arm length now gives a 4-in. adjustment for V-belt drive applications. The new features are said to eliminate axle hop entirely and to give a smoother ride under all operating conditions.

Want more details? Circle 431 on card

Clearance—side marker light from Betts Machine Co., Warren, Pa., is the Model No. S-200RG. It's a compact 4½ x 2 x 1 in. in size, takes a 3-candle power No. 63 or 67 bulb for long life, is rubber mounted.

Want more details? Circle 432 on card



Tandem suspension for trailers is the 'Hutch' Straddle Mount Model H-7700 from Hutchens & Sons Metal Products, Springfield, Mo. It's for use with tubular frames, has the true tracking feature on curves which boosts tire life. All hanger and equalizer surfaces which contact the springs are heat treated to cut wear. Most parts are interchangeable with H-700 and H-7000 models which were introduced several years ago.

Want more details? Circle 433 on card

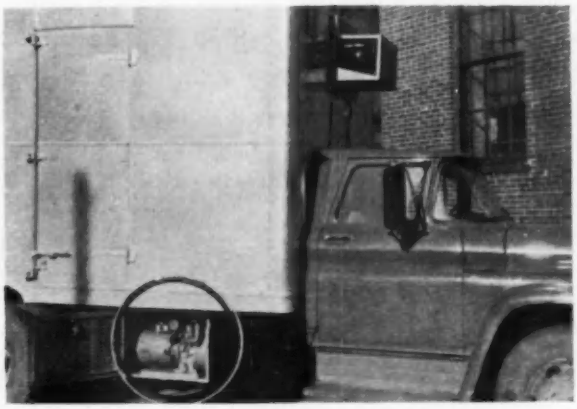
THERE'S MORE

Reefer unit for delivery trucks from Arctic Traveler, Montgomery, Ala., is the Super Leader series. It's run by a power take-off. Thermostat-controlled magnetic clutch, cuts unit in and out. Electric motor for plug-in power is built in.

Want to know more? Circle 468 on reply card

Cooler unit for egg haulers using a 12-ft insulated body keeps eggs at 50-55 deg to prevent spoilage. Made by Master-Bilt Refrigeration Mfg. Co., New Albany, Miss., it has an engine-driven AC generator (circled) and nose-mounted cooler with plug-in.

Want to know more? Circle 469 on reply card



in vehicle accessories

Continued from Page 273

An all-new truck tire promising nearly double normal tread wear was introduced by Firestone during the ATA convention. It features radial fabric cords (running across the tire rather than diagonally) reinforced with a 2-ply steel cord under the tread.

Designated the Model W2A, the new tire is in limited production, will supplement the popular W2 line. According to company officials, it not only increases tread life expectancy, but is also lighter than conventional truck tires, runs 65 deg cooler and offers 72 per cent better impact resistance with less power loss.

Fabric cords are available either in nylon or Tyrex.

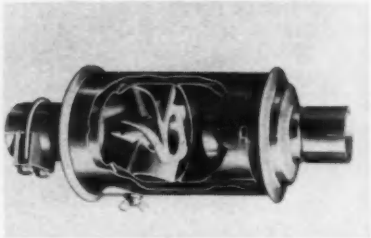
Want more details? Circle 434 on card

Engine starting fluid injector from Pyroil Co., La Crosse, Wis., injects starting fluid spray into the air intake of the engine manifold. Dash

controlled, it accurately gages correct amount of fluid for starting engine in cold or humid weather. Thermostatic cutoff shuts it off automatically when engine reaches proper operating temperature. Injector uses any standard aerosol can of starting fluid.

Want more details? Circle 435 on card

Exhaust spark arrestor just introduced by the Air-Maze Division, Cleveland, Ohio, is a new stainless-steel vane type that's adaptable



to mobile and stationary internal combustion engines. It employs a centrifugal action principle without use of moving parts. As exhaust stream flows through the unit, a rotary motion drives heavy particles of hot carbon to the outside of the stream and into the spark trap. Any ordinary muffler can be installed with the arrestor without loss of operating efficiency.

Want more details? Circle 436 on card

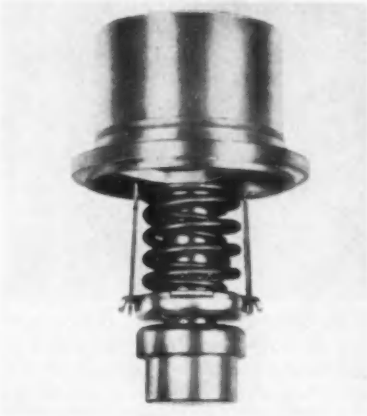
Driving habit indicator called the "Driver-Trainer" is a compact electronic unit for installation on any vehicle dash. Via an audible "buzz," it warns driver that an unsafe driving act (relative to any speed or driving conditions) is being committed. A built-in odometer records

More details? Circle 209 on reply card inside back cover

the act (on a unit basis). With the new device, both the driver and the fleet safety supervisor are kept aware of bad driving habits . . . a good way to tackle the job of improving fleet safety records. The "Driver-Trainer" is produced by Gorwin Co., La Puente, Cal.
Want more details? Circle 437 on card

Heavy-duty thermostats

for trucks, buses, off-highway equipment and stationary engines come in six new models from the Dole Valve



Co., Morton Grove, Ill. Manufactured to SAE specifications, all models are of the solid expansion type.
Want more details? Circle 438 on card

Auto desk

called the Kar Kaddy also holds maps, cigarettes, tissues and soft-drink glass or bottle. The clipboard holder per-

mits it to serve as a portable writing desk. The new, general all-around driving aid is available from Companion Specialties Co., Houston, Tex.
Want more details? Circle 439 on card

Tandem drive V-belt

for heavy-duty trucks is called the Traction Wedge by Goodyear Tire & Rubber Co., Akron, Ohio. It features a new cross section providing a 50 per cent increase in torque capacity over previous belts, while operating at the same tensions. It also offers decreased belt growth in use and increased resistance to sidewall wear.
Want more details? Circle 440 on card

Fuel additives

just introduced by Fuels Research Service Co., Denver, Colo., are called GS-1000 Gasoline Supplement and DFS-1000 Diesel Fuel Supplement. They're said to increase combustion by reducing particle size of gums, resins and polymers present in all fuels. This permits more complete burning of fuels to provide more power, better mileage, and reduction of deposits that cause engine wear.
Want more details? Circle 441 on card

Truck liner fastener

is a new nylon anchor called Tap-It. Made by U. S. Expansion Bolt Co., York, Pa., the nylon fasteners are vibration-proof, will not loosen, fracture or pull out. All that's needed to

(TURN TO NEXT PAGE, PLEASE)

Upgrade your drivers' comfort with American Seating driver's seats. Model 300 is fully adjustable vertically and fore-and-aft. Seat-tilt and back-pitch also adjust easily. Contoured side wings provide greater driver safety in turns.

American Seating delivery-truck seats hinge at the floor, move smoothly fore and aft for ease in loading or unloading. This convenient "Tilt-Away" action provides easier passage to the rear of your truck.

Both seats have full-depth foam rubber cushions and perforated covers for ventilation to insure maximum comfort, minimum fatigue. All American Seating driver's seats are built to give you years of rugged service. Send for complete details, today.

AMERICAN SEATING

GRAND RAPIDS 2, MICHIGAN

The smart way to go places

Please send full information on American Seating
☐ Model 300 Driver's Seat
☐ Model 6316 Delivery Truck Seat

Name_____
Title_____
Company_____
Street_____
City_____ Zone_____ State_____

More details? Circle 210 on reply card inside back cover

Continued from Page 275

install them is a drill and hammer. Just drill a hole, insert the anchor, and tap the drivescrew.
Want more details? Circle 442 on card

Exchange cylinder heads for most cars and trucks are now offered in a complete new line from Mustang Division, Garland, Texas. Cylinder head comes stripped and equipped with new valve guides when replacement parts aren't needed or ready to install and fully-equipped with new valves, guides, springs and seals.
Want more details? Circle 443 on card

New ignition cable suppresses ignition radiation noise generated by vehicle electrical system. Called IRS cable, it's offered by Belden Mfg. Co., Chicago. The new-type cable eliminates ignition interference in broadcast receiving sets and increases range on two-way radio communication systems.
Want more details? Circle 444 on card

Two-way mobile radio in the new "efficiency line" from Radio Corp. of America, New York City is for business communications

in the UHF 450-mgc band. A compact unit containing control head, speaker and transistorized power supply is easily mounted under vehicle dash. The transmitter-receiver unit can be dash or trunk mounted.
More details? Circle 445 on reply card

Windshield de-icer is an electric heating element which fits any straight or flex blade. The Heat-Sweep D-Icer clears away ice or

snow and prevents buildup on wiper blade. Made by Polland Products, Bellevue, Wash., kit consists of heater, wire, grommet and illuminated switch for either 6- or 12-volt systems.
More details? Circle 446 on reply card

Rear wheel grease seals just introduced by Houser Engineering & Mfg. Co., Bluffton, Ind., are designed to prevent common brake failure caused by rear-end seepage and bearing grease washout. Original

2 good reasons to replace caps now

When you use *Stant's* ST-255 Universal Cooling System and Cap Tester and find the cap is not maintaining proper pressure, you're quick to reach for a dependable *Stant* Pressure Cap. Now you have an alternative: replace with *Stant's* new *Lev-R-Vent* Safety Type Radiator Pressure Cap. Be free of the fear of employees' hands or arms scalded from a boiling radiator. Check your stock of *Stant* caps regularly to make sure it is complete.

Complete Line
Single-source for gas caps, locking gas caps, oil filler and pressure caps.

STANT MANUFACTURING CO., INC.
Connersville, Indiana

Standard of the industry and original equipment for a generation

More details? Circle 244 on reply card inside back cover

bearings need not be disturbed to install the new seal. It consists of a neoprene O-ring and a grease-seal cap.

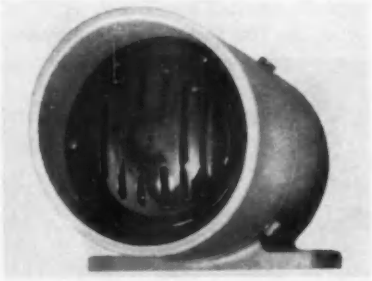
More details? Circle 447 on reply card

Vehicle display signs
from Allied Decals, Inc., Cleveland, Ohio, keep advertising space on cabs, buses, etc., busy all the time. Your

own fleet sales message on a Vinyl-Cal sign is permanently applied over a bare metal frame. When scheduled, an advertiser's message, also on pressure-sensitive Vinyl-Cal, is applied directly over your sign. When the ad is removed, yours remains. Signs can be washed, are not affected by weather.

For more details, circle 448 on card

Backup-warning horn
designed for rolling or track-type vehicles is offered by Atkinson Dynamics, San Francisco, Cal. The Auto-



matic Dynalert unit is available in two types: With switch mounted on transmission speedometer drive actuated by vehicle's rearward movement, or self-pulsing with limit switch mounted so reverse shift lever acts as trigger. Horn mounts upright on fender, hanging from chassis or sideways on side of vehicle.

For more details, circle 449 on card

Steering link
for steering column of trucks, tractors and passenger cars is a new flexible-shaft core developed by Stow Mfg. Co., Binghamton, N. Y. The low-cost flexible link permits easy entrance and exit for driver by pushing aside the steering wheel. Spring tension brings it back to straight position by itself. In case of accident, the flexible shaft collapses to prevent driver injury on the steering wheel.

For more details, circle 450 on card

Crankcase ventilation
system from Oildex Corp., Tulsa, Okla., is designed for use on truck, tractor and automobile engines operating on any type of fuel. The Oildex system of filtered and controlled crankcase ventilation increases engine efficiency and reduces maintenance costs. Blowby gases, vapors and foreign particles are extracted from the crankcase and deposited in a residue jar. Light ends of oil, water vapor, and combustible materials are then drawn through filter and through volumetric control valve into the intake manifold of the engine. From there, they're put to use—oil vapor for upper engine lubrication, water vapor for improved combustion and to dis-

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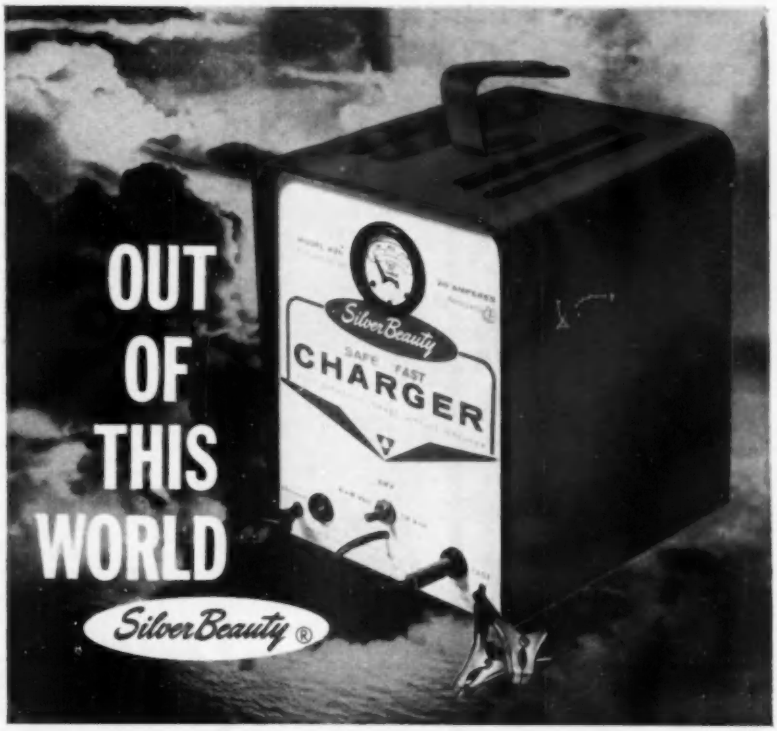
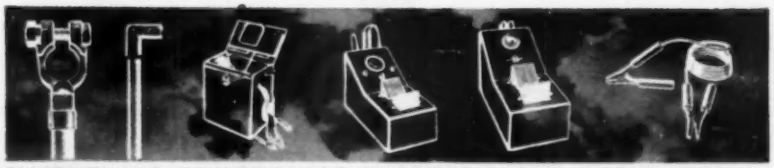


WE GAVE THE NEW SILVER BEAUTY CHARGERS THIS CLEAN, MODERN LOOK SO YOU WOULD KNOW THAT THIS IS THE BEST CHARGER YOUR MONEY COULD EVER BUY!

The popular Model 220 shown above is just one of the line that has undergone a big "face-lifting." More than just looks are involved. The slanted, hooded face is easy to read and operate. You'll like the "cantilevered" handle, open at the rear, easy to grab. The rugged 220 still delivers a full 20 amps for safe, *fast* charging. *Triple-A Specialty Company, Chicago.*



EVERYTHING FOR THE BATTERY BUT THE BATTERY ITSELF!

Triple-A Specialty Co., 2835 N. Western Ave., Chicago 18, Illinois, HUmboldt 9-1500

More details? Circle 245 on reply card inside back cover

Continued from Page 277

solve carbon deposits on spark plugs and in combustion chamber, combustible vapors from blowby gases are used as additional fuel. The Oildex oil-bath air filter replaces the standard dry-type filter to give added crankcase protection.

Also available is the Ventrex system which utilizes vacuum in the intake manifold to draw blowby vapors, moisture and impurities from the crankcase. This simple, inexpensive method operates without use of a filter.

For more details, circle 451 on card

Fleet-designed battery line is Delco's new DC-250 High-Duty line. The new series is said to offer fleet operators superior performance over a longer life span than usual heavy-duty batteries with increased savings on a cost-per-mile basis. Outstanding features include new long-life positive plate material with glass retainer mats bonded to microporous rubber separators, Delcoloy grids that resist overcharging damage, double-sealed terminals, unitized case and cover assembly, protective plate and separator baffles, and splash-proof high-impact vent caps.

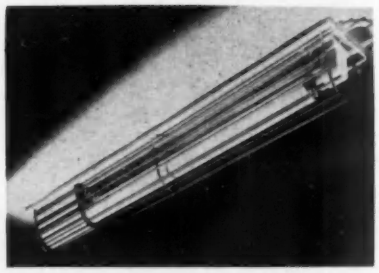
For more details, circle 452 on card

Two-way radio for all types of fleet operation is called Ray-Tel 2 by Raytheon Co., Westwood, Mass. A yoke mount tilts

radio to any convenient angle on a desk and permits floor, shelf, or underdash mounting in vehicles. The compact unit measures just 9½ x 5 x 9¼ in., has full 4-in. front-mounted speaker. It operates from 115-volt AC current or from 6- or 12-volt vehicle battery.

For more details, circle 453 on card

Interior lighting for trucks and trailers is provided with new battery-operated fluorescent lights offered by The Daven Co., Livingston,



N. J. For operation from 6- to 32-volt storage batteries, each unit is comprised of a fluorescent tube and a high-frequency transistor inverter. The new luminaires produce more than five times the light of equivalent incandescent lamps at the same power input.

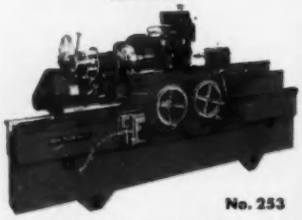
For more details, circle 454 on card

Adjustable brake spider for use on trucks and trailers is adjustable at the anchor pin location by

The Complete Line

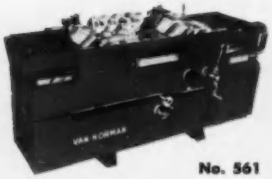
of Van Norman Automotive Machine Shop Service Equipment

REGRINDERS



No. 253

Camshaft Regrinder speedily and precisely reconditions worn camshafts. Also regrinds main crankshaft bearings. 52" between centers; 9" maximum diameter. 84" model also available.



No. 561

Automatic Wet Surface Regrinder for fastest above-the-wheel wet grinding of all heads, blocks and manifolds—with quickest set-up time. Capacity 38" long by 14" wide. 60" by 16" model also available.

No. 467

Heavy-Duty Crankshaft Regrinder. For shafts up to 90" length x 10" stroke x 22" swing. Fast, accurate, vibrationless operation. Nine other models in this series.

For complete information and performance data on this equipment write:

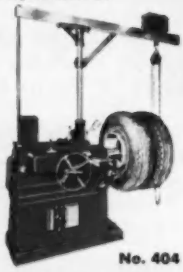
BRAKE DRUM LATHES

No. 302H

"Little Brute" Brake Drum Lathe for passenger car and truck drums with tires *mounted* up to 500 pounds. *Turns and grinds* at same time with optional Vapo-Jet Wet Grinding Attachment.

No. 304H

"Super-Duty" Brake Drum Lathe for car and heavy duty truck drums. Features simultaneous *turning and grinding*, built-in "scope light", quick action feed and speed selectors.



No. 404

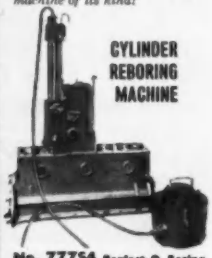
"Speedy Brute" Brake Drum Lathe *turns and grinds* simultaneously. Flick-O-Matic feed control, Multiple spindle speeds. Exclusive Load Compensator supports all drum and tire assemblies.

ROTARY BROACH

No. 570

Rotary Broach with *new* cutter action quickly machines cylinder heads, engine blocks, and other surfaces. Top loading keeps chips out of work. *Only machine of its kind!*

CYLINDER REBORING MACHINE



No. 77754 Perfect-O Boring Bar for ONE CUT, hard sleeve and standard cylinder reboring. Portable. With four speeds. Special vacuum system keeps dust and chips from crankcase and oil holes. Three other models available.

THE PRECISION VAN NORMAN MACHINING LINE for

• Cars • Trucks • Buses • Tractors • Diesels • Compressors • Industrial and Marine Engines. With Advanced Design Features in:

Brake Drum Lathes
Camshaft Regrinders
Crankshaft Regrinders
Cylinder Reboring Machines
Rotary Broach
Horizontal Automatic Wet Surface Regrinders for Heads, Blocks and Manifolds.

QUALITY IS THE REASON—IT PAYS TO VAN NORMANIZE

VAN NORMAN
Springfield 7, Massachusetts, U.S.A.
A DIVISION OF VAN NORMAN INDUSTRIES, INC.

More details? Circle 246 on reply card inside back cover

means of a heat-treated bolt with high nut and lock. This feature permits easy insertion and removal of anchor pins, eliminates need for driving them in and out. Brake spider life is increased and maintenance costs reduced. The adjusable spider is now available on all axles produced by Standard Forge & Axle Co., Montgomery, Ala.—also as a replacement part for existing equipment.
For more details, circle 455 on card

Safety alarm

for forklift trucks or other vehicles operating under nominal noise levels is a motion-activated mechanical safe-

ty bell. It can be locked to ring in either forward or reverse, or both directions. It can also be adjusted for volume, frequency and regularity of signal. The two-way adjustable vehicle safety alarm is available from Warn Sales Co., Seattle, Wash.
For more details, circle 456 on card

Air-brake slack adjusters

announced by Euclid Automatic Machining Co., Cleveland, Ohio, are corrosion-resistant due to a special

coating. All moving parts are deep-greased prior to assembly to assure easier brake adjustments.
For more details, circle 457 on card

Diesel engine crankcase oil

is a Series 3 lubricant recommended especially for use in high-output diesels under severe operating conditions. Sohio HD S-3 motor oil is offered by Standard Oil Co. of Ohio.
For more details, circle 458 on card

Metallic brake block

for heavy-duty trucking service provides more braking friction, greater safety and up to 25 per cent longer wear, according to maker World Bestos, New Castle, Ind. It's called Met-L-Loy.
For more details, circle 459 on card

Water pump lubricant

called Protek-Tol also controls rust and scale in engine cooling system. It loosens existing scale to clean metal surfaces, then leaves a deposit of protective film to inhibit further corrosion and rust. It also lubricates internal moving parts of the water pump. Protek-Tol is available from Grintol Co., Hollywood, Cal.
More details? Circle 480 on reply card

New brake cable line

from Grey-Rock Division features rattleproof, rustproof cables for replacement use in all American-made cars. A polyethylene sheath encases prelubricated cable. Fittings are copper-plated to prevent rust.
For more details, circle 481 on card

WHY SO MANY FLEET OPERATORS PREFER THE VARI-SPEED GOVERNOR

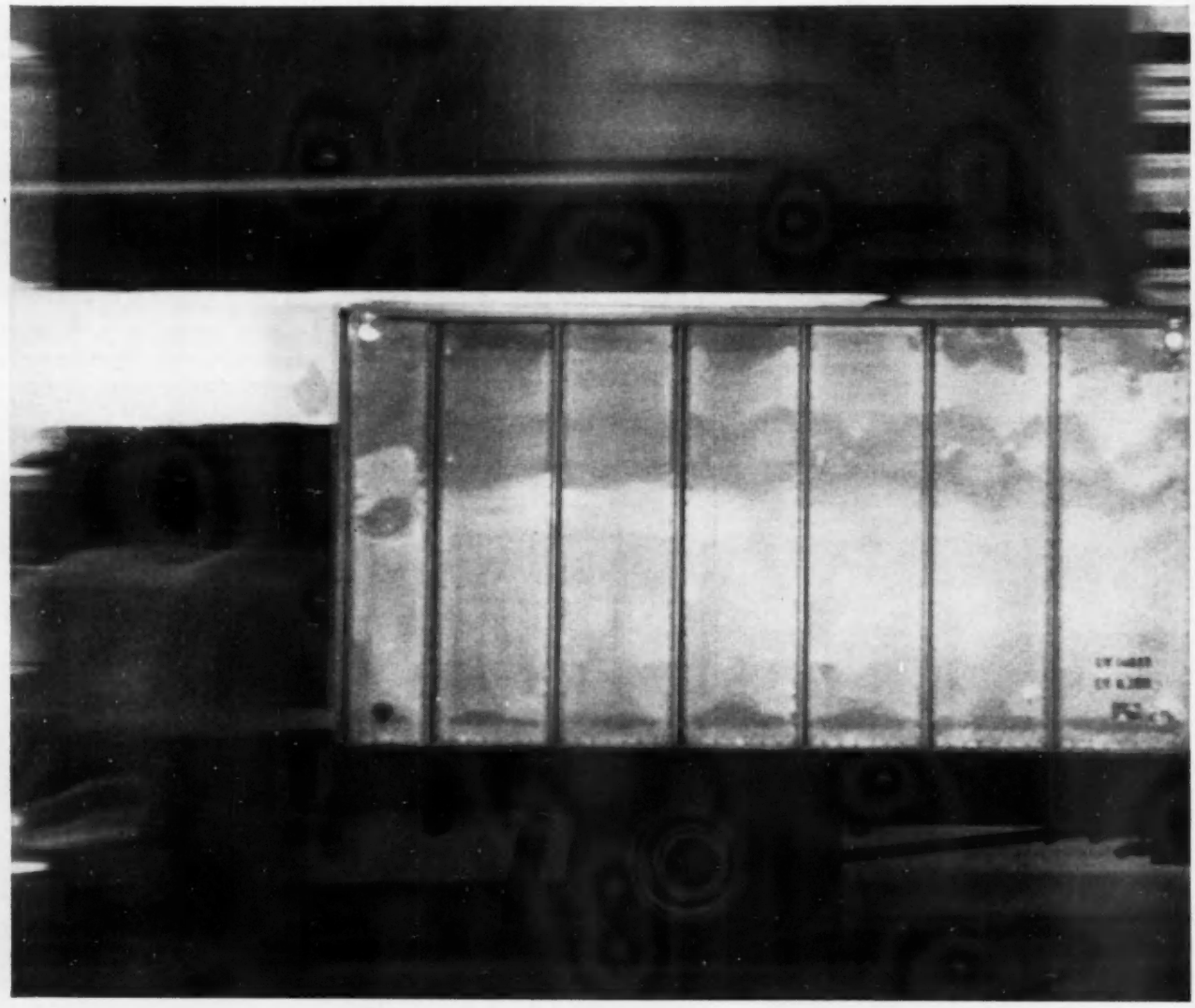
More Handy Vari-Speed Governors are in service than those of all other makes combined. Why? Because fleet operators have found that Vari-Speed has a combination of advantages not available with any other type.

- **Vari-Speed Governors provide the widest range of governed speed selection.**
- **This means fewer models—minimum inventory.**
- **Vari-Speed provides full horsepower, vehicle acceleration and tractive effort at all speeds below the selected governed setting.**
- **Reliable day after day.**
- **Installation easy and fast.**
- **Cost and maintenance are both low.**

KS

KING-SEELEY DIVISION
KING-SEELEY KST THERMOS CO.
ANN ARBOR, MICHIGAN
WORLD'S LARGEST MANUFACTURER OF AUTOMOTIVE GOVERNORS

More details? Circle 247 on reply card inside back cover



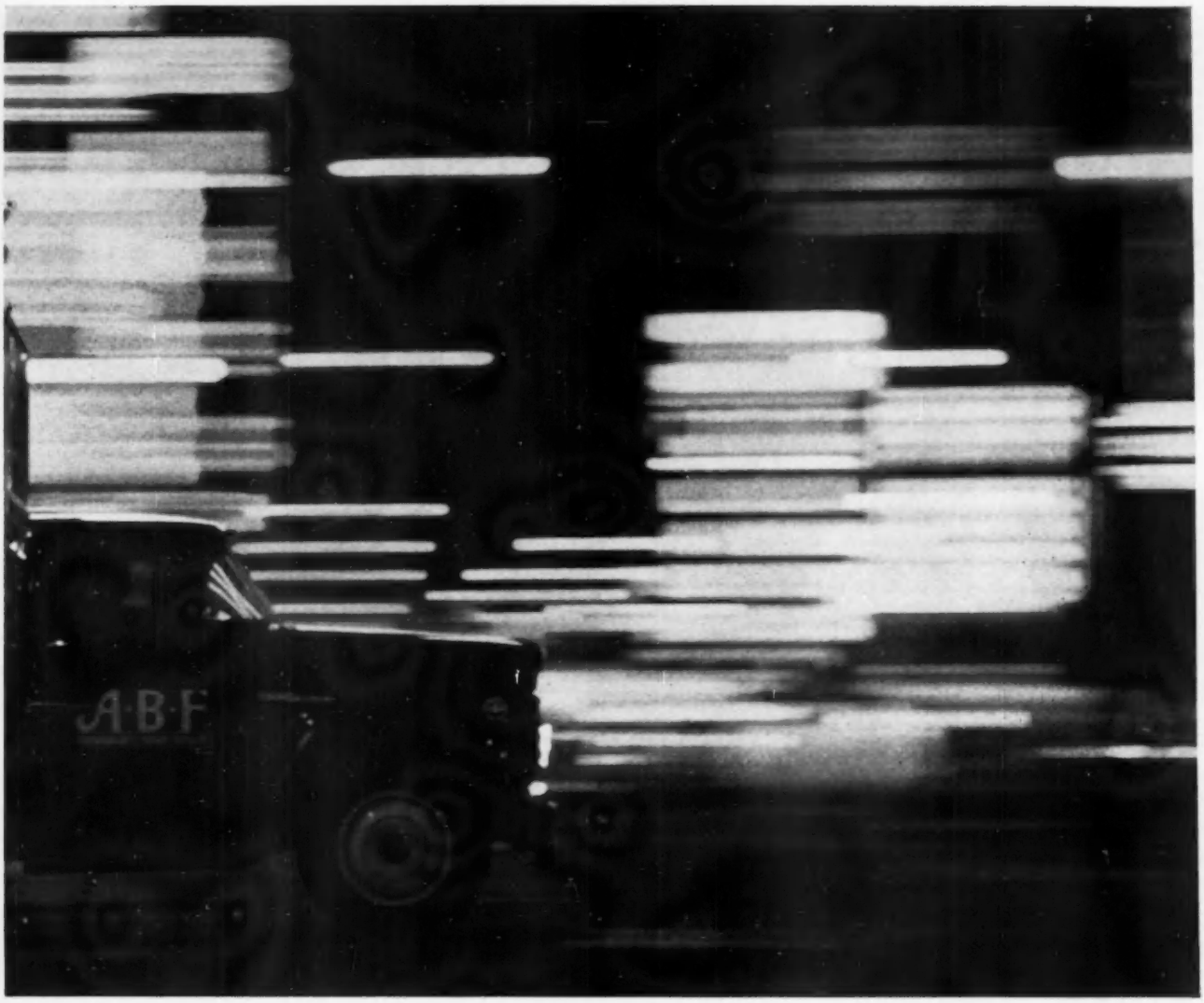
UNITED DELCO FLEET SERVICE REDUCES ROAD BREAKDOWNS, INCREASES OPERATING EFFICIENCY—AND IT'S YOURS FOR THE ASKING!

simply say Delco

. . . and your United Delco wholesaler solves your fleet maintenance problems with *United Delco Fleet Service: replacement parts* that precisely match your fleet's job and *service helps* that pass along fleet know-how *for the asking.*

■ UNITED DELCO FLEET SERVICE HELPS, available through your United Delco wholesaler: *Service Managers and District Managers* to help you with fleet maintenance problems; *Fleet Survey Service* to supply the part you need *when* you need it by "blueprinting" a special parts inventory for your fleet; *Fleet Service Information* to provide up-to-date manuals, data and specifications; *Fleet Service Training* at 30 GM Training Centers to instruct your personnel in latest service techniques and equipment.

■ UNITED DELCO FLEET REPLACEMENT PARTS are specially engineered to withstand the rigors of fleet duty. The new Delco DC-250 High-Duty Battery, for example, is the toughest fleet battery ever built. All features are specifically designed to give *superior battery performance throughout increased battery life.* Newly formulated positive plate material provides dependable power. Glass retainer mats bonded to microporous rubber separators keep positive plate material in



place and working to deliver superior performance. Microporous rubber separators withstand deep-cycling, overcharge, high temperature and vibration.

■ UNITED DELCO WHOLESALERS EVERYWHERE have all the details on all-new United Delco Fleet Service. You reduce *your* fleet's road breakdowns, increase *your* fleet's operating efficiency with *replacement parts* job-matched to your fleet, and with *service helps*—yours for the asking. Call your United Delco wholesaler for these famous lines, distributed nationally through **United Delco.**

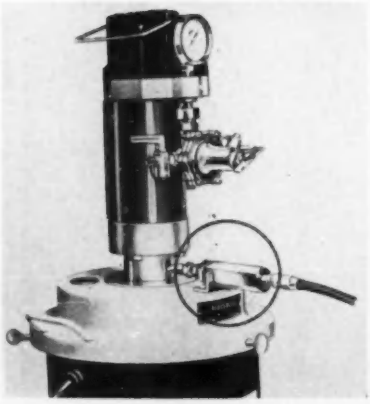
UNITED DELCO DISTRIBUTES: DELCO REMY • DELCO BATTERY • DELCO ROCHESTER • DELCO PACKARD • DELCO PRODUCTS • DELCO HARRISON • DELCO HYATT • DELCO NEW DEPARTURE • DELCO GUIDE • DELCO MORAINE • DELCO APPLIANCE • DELCO RADIO • AC SERVICE PARTS • HYDRA-MATIC.

UNITED MOTORS SERVICE, Division of General Motors

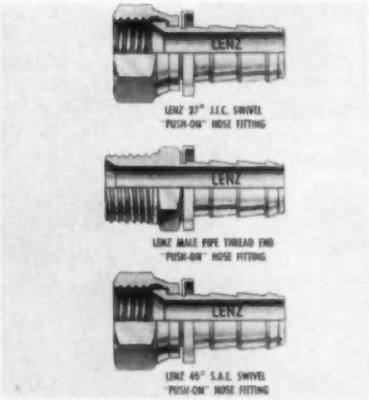
More details? Circle 248 on reply card inside back cover

WHAT'S NEW in shop equipment

Fold out free reply cards inside back cover. Use them to find out more about all the items that interest you



Inline paint filter
for use with airless spray painting units is the Model No. 41-1415 from Binks Mfg. Co., Chicago. Filter may be installed in hose next to the pump or next to the spray gun.
Want more details? Circle 419 on card

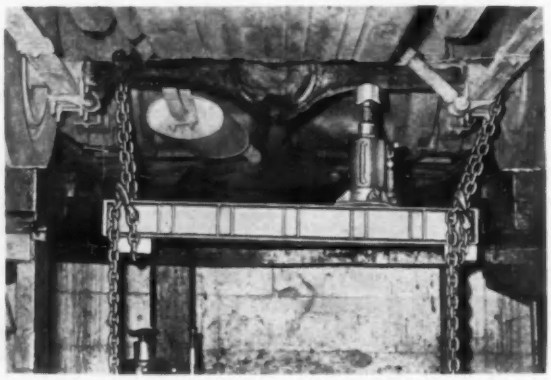


"Push-On" hose fittings
are offered in a new low-cost line by Lenz Co., Dayton, Ohio. They insert or push on with barbed stems to lock fitting in the hose without external clamps or ferrules.
Want more details? Circle 420 on card

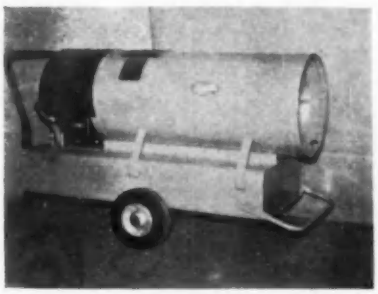
Hand-held 2-way radio
is the "Personal Messenger" transceiver made by E. F. Johnson Co., Waseca, Minn. The 11-transistor, 4-diode unit features rechargeable batteries.
Want more details? Circle 421 on card

Automatic microfilm reader-printer
made by Minnesota Mining and Mfg. Co., St. Paul, Minn., makes full-sized blowbacks from microfilm records in less than 10 seconds. The "Filmac 100" takes either 16 or 35-mm microfilm, reproduces 8½ x 11-in. prints on heavy white paper.
Circle 381 for further information

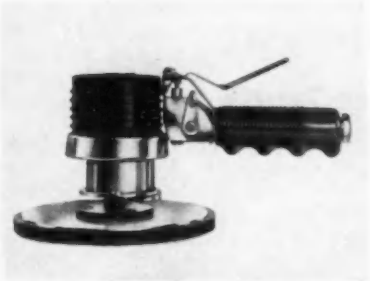
Axle-correction set
is designed for both rear-axle housing and front-axle work on cars, light pickups and trucks up to 2-ton capacity. Hunter Engineering Co., St. Louis, Mo., makes the 21-piece set (Model Z75-S) for use with two 12-ton hydraulic jacks.
For complete details, circle 382 on card



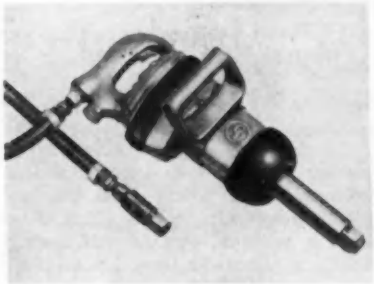
Generator current indicator



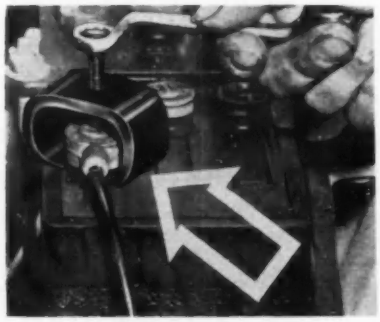
Space heaters
in the 1961 line from Aeroil Products, South Hackensack, N. J., feature increased output. Models are offered with capacities ranging from 140,000 to 550,000 Btu per hr.
Want more details? Circle 422 on card



"Dual-Action" sander
from National-Detroit, Rockford, Ill., is the new Model DA-6. An off-center sanding pad revolves independently of drive head to reduce heat and stop loading of abrasives.
Want more details? Circle 423 on card



Air wrench
with 6-in. extended shank is the Model CP-793CH "Wheel-Rite" with 1¼-in. bolt capacity. The 1-in. square drive unit has just been introduced by Chicago Pneumatic Tool Co.
Want more details? Circle 424 on card



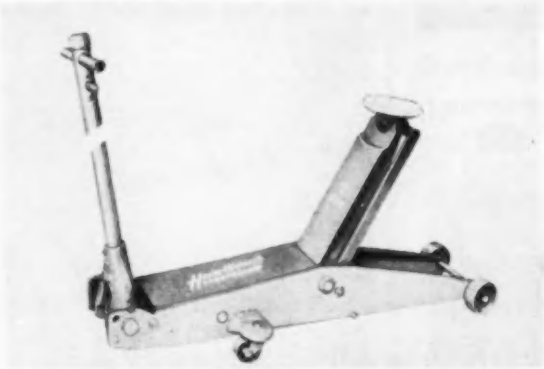
Battery terminal puller
(Model No. BT-3004) removes badly corroded terminals without difficulty or damage. The pocket-sized tool is offered by Borroughs Tool & Equipment Corp., Kalamazoo, Mich.
Want more details? Circle 425 on card

Recoiling nylon hose
for use with all types of air-operated tools is now available from De Vilbiss Co., Toledo, Ohio. Lightweight and oil-proof, it comes in 25-ft lengths which recoil to 8 in.
Want more details? Circle 426 on card

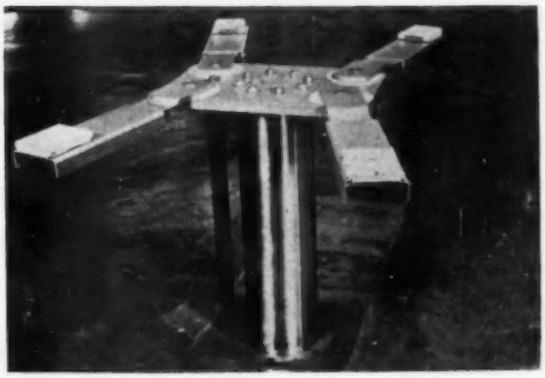
Portable fire extinguishers
in 10- and 20-lb sizes are Tri-Class ABC units approved for use on ordinary liquid and electrical fires. They're offered by Walter Kidde & Co., Belleville, N. J.
Want more details? Circle 427 on card

THERE'S MORE

Two-ton hydraulic service jack
is designated the Model M by Hein-Werner Corp., Waukesha, Wis. It lifts from 4¼ to 25 in. with load contact provided by dual pistons with automatic cutoff valve. Handle has 90-deg pumping arc and three locking positions for easier spotting.
To get more information, circle 383



Swivel-arm, single-post frame lift
is designed by Weaver Mfg. Division, Springfield, Ill., for more underchassis clearance and to provide added use in all types of service work. Full-floating adapter pads rotate 360 deg and provide three (3½-, 5½-, 8-in.) height positions.
To find out more about it, circle 384



in shop equipment

Continued from Page 283

Self-storing hose for air and water is helically coiled, extends like a 'phone cord and retracts automatically into springlike storing position. Synflex self-storing hose is available in diameters of 3/16, ¼, 5/16 and ⅜ in., with extended lengths up to 100 ft. It's from Samuel Moore & Co., Mantua, Ohio.
For more details, circle 341 on card

Hydraulic bumper jack just announced by Weaver Mfg. Division, Springfield, Ill., features fast lifting and safe lowering speeds. Saddles are easily adjusted, large wheels permit easy spotting. The WA-52-A bumper jack has 3000-lb lifting capacity in a range of from 8 to 30 in. off the floor.
For more details, circle 342 on card

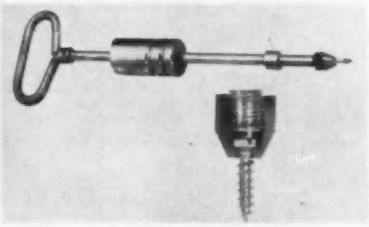
Generator current indicator (Model T-51) is a new induction-type meter to indicate generator output and current limiter setting, and lo-

cate shorts in switches and accessories. It's offered by C. E. Niehoff & Co., Chicago.
For more details, circle 343 on card

Hip-roof tool box made by Huot Mfg. Co., St. Paul, Minn., is also a two-drawer tool chest. The new combination box-and-chest

(Model No. 110) is easily carried by top handle, opens to reveal full-length drawers and tote tray.
For more details, circle 344 on card

Transmission seal puller is a universal tool for easy removal of most transmission seals. Pulling action is provided by a reversible-



slide hammer mounted on a shaft. A drill screw, secured to the shaft is tapped into the seal and secured by

notice the can? It's Wilco's fantastic liquid spray that starts any engine...diesel, gasoline, power mower, outboard motor... in 4 seconds! Even in 65° below zero weather. Saves batteries, engines, ignition systems for just a "penny a start." Highest **repeat sales** record of any automotive product in nation. Have you got →

Ask your jobber or write Wilco, Inc., 4425 Bandini Blvd., L.A., Calif.

turning the handle. Reverse tapping of hammer eases out the seal. The Model No. 600 seal puller is offered by Cam Tool Co., San Francisco, Cal.
For more details, circle 345 on card

Brake fluid dispenser pump installs easily on a 1-gal can of fluid to eliminate waste and messy cleanup due to spillage. The Model No. BF-75

from Echlin Mfg. Co., Chicago, is a hydraulic, self-contained piston unit requiring no air pressure to operate. It prevents entrance of air and foreign particles into the brake system during filling. Pump nozzle is placed in master cylinder. Fingertip control permits immediate shutoff.
For more details, circle 346 on card

Split-leg apron from Can-Pro Corp., Fond du Lac, Wis., permits maximum freedom of action as well as around-the-leg pro-

tection. High bib has divided pocket. Thigh and midsections have waterproof, rubberized inner protective pads. Straps are adjustable for universal fit. Body is of water-repellent cotton.
For more details, circle 347 on card

Radiator flushing adapter is offered for use with Hydro-Air pressure washers manufactured by D & M Products, Pasadena, Cal. The rubber attachment is for direct or reverse flushing of radiators and engine blocks.
For more details, circle 348 on card

Cold-water cleaner for removing greases, gums and oils is called PC-5 by Davis Emergency Equipment Co., Newark, N. J. Nonflammable and non-toxic, it will not harm painted surfaces or metal. It may be applied with brush, cloth or spray, is equally effective in salt or fresh water.
For more details, circle 349 on card

Liquid parts cleaner called Strip-All has just been an-
(TURN TO NEXT PAGE, PLEASE)

. . . WITH
CENTURY
L-P GAS CARBURETION

Mr. S. D. Zenor, General Manager, Louisville Concrete Service, Inc., Louisville, Kentucky, reports . . . "our service includes seven Crane Carrier Corporation Mixer Master trucks. Six of these are equipped with Century LP-Gas Carburetion Systems. Upon careful comparison with identical gasoline operated trucks, we have recorded an average of 50% *LESS* motor maintenance and tune-up. Savings have also been recorded due to less frequent oil changes. In addition, we no longer suffer loss due to pilferage. The LP-Gas sealed tank system prevents syphoning or other means of looting which occur on gasoline trucks when parked. In addition our drivers report . . .

. . . Instant Power on Take-off
. . . No Power Lag"

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LP-GAS CARBURETION

CENTURY GAS EQUIPMENT
Marvel-Schebler Products Div.
Borg-Warner Corporation
Decatur, Illinois

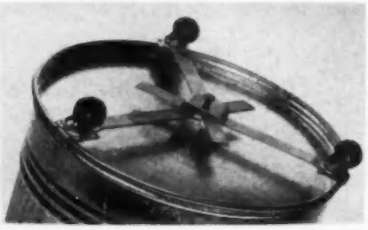
More details? Circle 250 on reply card inside back cover

in shop equipment

Continued from Page 285

nounced by Stewart-Hall Chemical Corp., Mount Vernon, N. Y. The new concentrate is non-flammable, non-explosive, odorfree and won't evaporate. It strips carbon, sludge, varnish, etc., from all types of metal without damage to surface.
For more details, circle 350 on card

New drum dolly
adjusts to various diameters of drums or cans, attaches to bottom by setting one screw. The container is then rolled

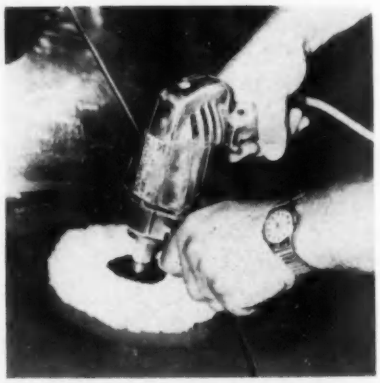


easily and quietly in upright position on three ball-bearing, composition wheels. Dolly is manufactured by Pemko Mfg. Co., Emeryville, Cal.
For more details, circle 351 on card

Circular slide rule
measuring only 4 in. in diameter is a handy and time-saving item for anyone who has figuring to do. It's made by General Industrial Co., Chicago,

to make short work of multiplication, division and proportions. Instructions on back of the rule tell how to set the translucent hairline indicator to coincide with numbers on inner and outer scales for each of these three mathematical steps.
For more details, circle 352 on card

Portable vehicle body polisher
is designated the Model No. K-1560M by Portable Electric Tools, Inc., Geneva, Ill. Weighing less than 3½ lb,

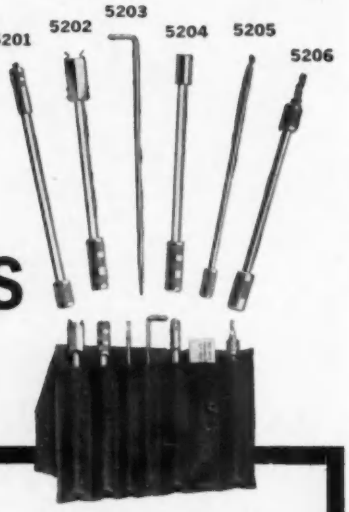


it's engineered for fast polishing action without burning lacquer, enamel or newer acrylic finishes.
For more details, circle 353 on card

New circuit tester
actually "names in words" the cause

DILL

Long Handled TOOL KIT for TRUCK and BUS TIRE VALVES



Complete set of "long handled" tools, 8⅝", enables you to reach between "duals." Remove and replace valve caps and cores . . . rethread and repair stems. Package comes complete with handy leather pocket pouch.

5201 Valve inside inserter and extractor
5202 Valve tool for dome type caps
5203 Extractor for broken valve insides
5204 Valve stem refacer
5205 Valve stem seat cleaner
5206 Valve stem rethreader

Complete Kit #5200 only $15.30
Tools may also be purchased individually

Standard bore dual foot Gauge

$4.90

Straight chuck reaches inside duals and front wheels. The reverse chuck end (150°) handles outside dual valves. No. 7207-L calibrated 10 to 90 lbs. in 1 lb. units. No. 7207-H calibrated 20 to 130 lbs. in 2 lb. units.

"Instant-on" Coupler

$1.44 No. 8888

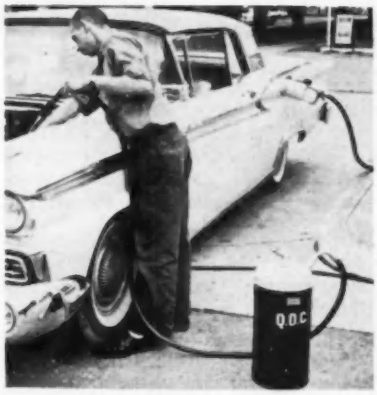
Safe, convenient method of changing all attachments on air operated devices. Simply push-on, pull-off. Dill also has a complete line of "instant-on" and regular chucks, couplings and connectors.

DILL® Manufacturing Company
CLEVELAND 3, OHIO
Offices in Los Angeles, Akron, and Toronto.
Subsidiary of The Eaton Manufacturing Company.

of starting trouble in any engine. "Kal-Start" registers findings in colors which line up on the back of the

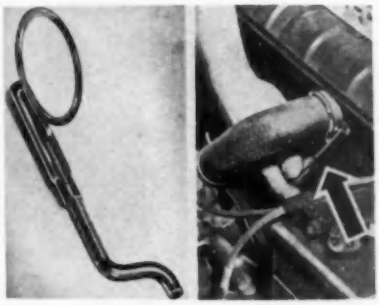
instrument with word describing the starting trouble . . . battery, cables, starter, solenoid, etc. It's offered by Kal-Equip Co., Otsego, Mich.
For more details, circle 354 on card

Portable oil changer
offered by Aro Equipment Corp., Bryan, Ohio, is designed for draining vehicle crankcase in minimum time without using a lift. In use, dip stick



is removed from oil filler neck and the flexible tube from the Quick Oil Changer is inserted in the opening. Air valve on the unit is then turned on to permit quick vacuum-type draining of the crankcase.
For more details, circle 355 on card

Hose clamp tool
facilitates removal and installation of spring-type clamps in automotive service work. It releases spring's grip around hose permitting hose to be removed. Clamp and tool remain in place awaiting replacement when hose



is reconnected. Model No. BT-68-10 pocket-size hose clamp tool is available from Borroughs Tool & Equipment Corp., Kalamazoo, Mich.
For more details, circle 356 on card

Idler-arm bushing tool
for use with any 5 to 8-ton hydraulic jack is the Model Z70-S offered by Hunter Engineering Co., St. Louis, Mo. For use on either bracket or relay ends of idler arms, the tool has a large and a small punch ram for removing bushings from all car makes

(TURN TO NEXT PAGE, PLEASE)

NEW FROM KIDDE! LOW-PRICED HIGH-POWER EXTINGUISHER

$11.95 RETAIL

I.C.C. APPROVED

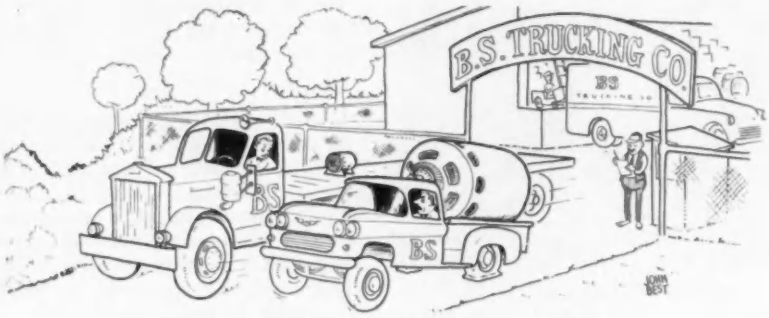
14" HIGH

Now—thanks to the new I.C.C. and U.L.-approved Kidde Kompact, you can have high-power fire protection at a rock-bottom price! Lowest-priced 2½-pound dry chemical extinguisher on the market, the new Kidde Kompact packs as much fire-killing punch as extinguishers costing twice as much. And with a U.L. rating of 4:B, C for use on flammable liquid or electrical fires, the Kidde Kompact equals 8 1-qt. carbon tets! Mounts snugly, works simply—just lift handle and press lever. No recharging needed—just replace used cylinder with another . . . only $3.95. For more information, contact your distributor or write Kidde today!

Kidde

Industrial and Marine Division
Walter Kidde & Company, Inc.
1112 Main St., Belleville 9, N. J.
Walter Kidde & Company of Canada Ltd.
Montreal – Toronto – Vancouver

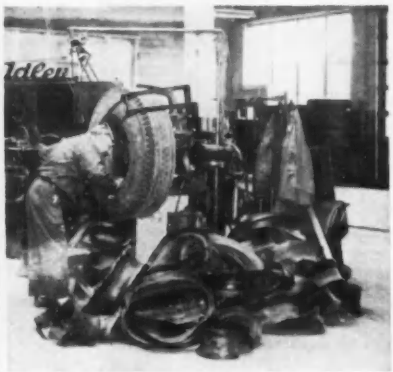
More details? Circle 252 on reply card inside back cover



"That's the dumbest dispatcher I've ever seen!"

Branick "EF-ERT-LESS" TIRE SPREADER

with AIR-OPERATED TIRE LIFT



GIVES FASTER . . . EASIER . . . MORE COMPLETE TIRE INSPECTION . . .

HANDLES ALL SIZE TIRES . . . PASSENGER • LIGHT TRUCK • BUS UP THRU 12" TO 28" BEAD DIA. AND 12" CROSS SECTION

- **SPEED**
- **ACCESSIBILITY**
- **LARGE CAPACITY**

For today's tire service, the Branick Air-Operated "EF-ert-less Tire Spreader gives you all the spreading advantages for INSPECTION, REPAIRING, SKIVING, INSTALLING AND REMOVING TUBES, FLAPS, AIR BAGS AND INSIDE CURING RIMS.

Its smooth, fast and easy operation takes all the hard work out of tire service. Best in quality and design . . . the Branick EF-ert-less gives you top performance. So Buy Branick. Write today for complete details.

$768.50 F.O.B. FACTORY

BRANICK MFG. CO. INC.

FARGO, BOX 1937 N. D.

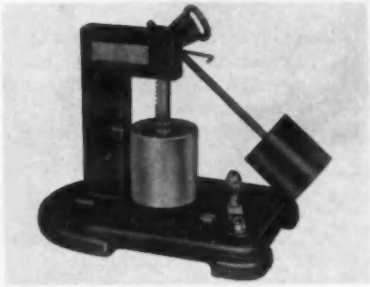
in shop equipment

Continued from Page 287

and models except '61 Ford and Mercury.

For more details, circle 357 on card

Hydraulic valve lifter tester from Borroughs Tool & Equipment Corp., Kalamazoo, Mich., accurately tests leakdown rate. With the new Model No. BT-60 leakdown tester,



only badly worn or damaged lifters need to be replaced in restoring assembly to proper specifications.

For more details, circle 358 on card

Multi-faced hammer just introduced by Ramset Fastening System, New Haven, Conn. Shure-Drive is five hammers in one with five

interchangeable tips of varying degrees of hardness. Color-coded tips are of specially compounded plastic, secured in steel collars.

For more details, circle 359 on card

More details? Circle 223 on reply card inside back cover ⟶

DU PONT DULUX®

MAINTAINS FRESHNESS ON BAKERY TRUCKS

HOLDS GRADE-A APPEARANCE ON MILK TRUCKS

KEEPS SPARKLE ON BOTTLING TRUCKS

The protection and eye appeal provided by a gleaming truck finish are under constant attack by the hard knocks of open-road travel and the everyday exposure to harsh sunlight, rain and dew. That's why leading truck owners choose Du Pont "Dulux" Enamel.

Rugged "Dulux" is really made to take it. It stands up to day-in, day-out service, year after year . . . snaps back clean and bright after every washdown. That's because "Dulux" gives a higher initial gloss, holds its color longer. And "Dulux" resists chipping and cracking because it is not only tough, but flexible.

"Dulux" pays off in reduced maintenance costs, too. It extends painting cycles plenty. It is easy to apply . . . flows out smooth and covers well . . . dries fast . . . has excellent durability.

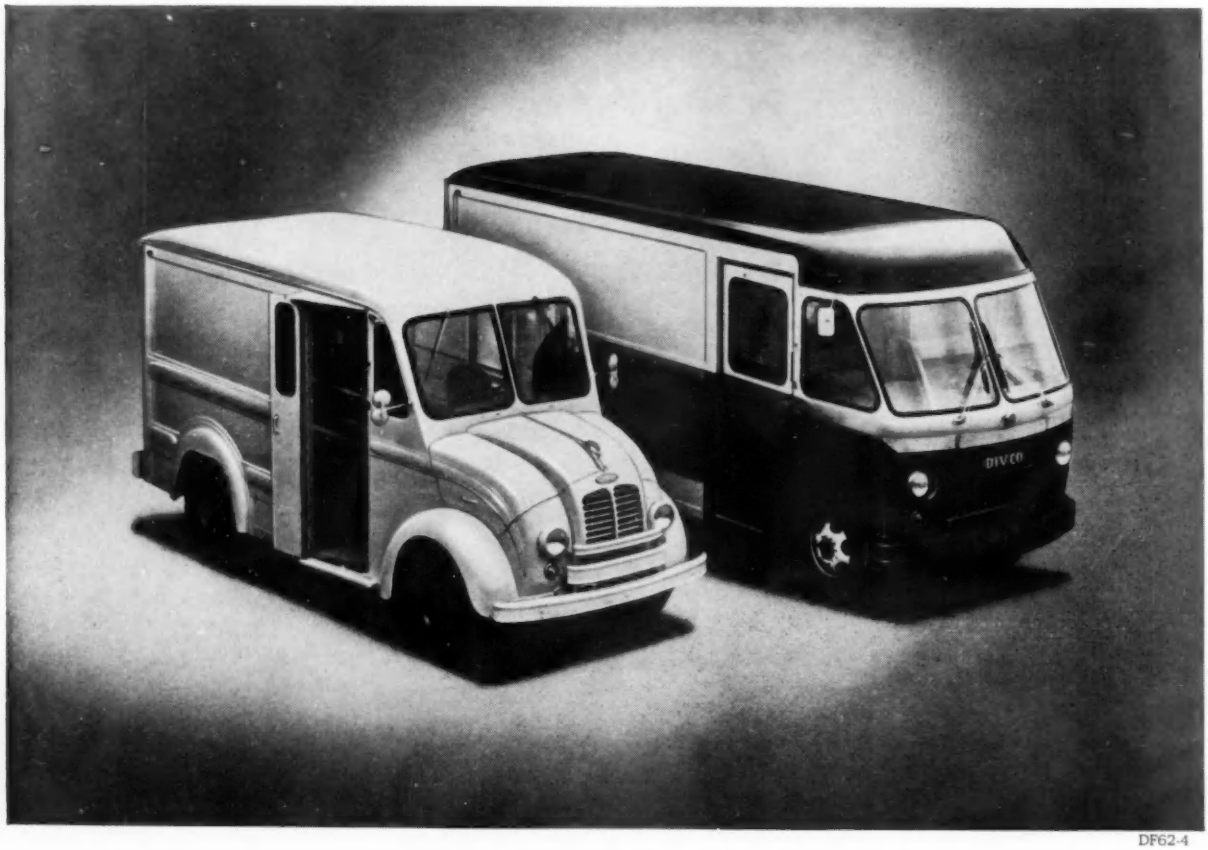
Remember, when you use "Dulux" on your fleet, you can *count on* the experience of the world's greatest paint laboratory. Specify "Dulux" next time you order enamel and be sure to follow the "Dulux" system of recommended products and procedures for the best possible results on every job.

DU PONT REFINISHING MATERIALS Du Pont research leads refinish progress

DU PONT

'HANDSOME IS AS HANDSOME DOES'

There are those (mostly competitors) who'll say DIVCO isn't the handsomest truck on the road today. But privately they'll have to agree that DIVCO's designed to do a handsome job for you, in these ways: To carry more goods (squared-up body). To cover the route faster (short wheelbase, wide front axle for maneuverability, right power train for your job). To speed up load-handling (low step-in, high headroom for driver convenience). To run for less money (multi-stop engine that goes all day on minimum gas). To require least downtime (easy servicing, tough, oversize parts that hardly ever wear out). To give you long, long life (DIVCO's still good for another five years after the ordinary truck has given up the ghost). Yes, DIVCO *does* do the handsome job it's designed to do. So to the thousands of owners whose balance sheets reflect a truly profitable truck operation, DIVCO's a mighty handsome vehicle. As the saying goes: "Handsome is as handsome does." DIVCO



DF62-4

ROUTE-DESIGNED FOR PROFIT-STOPS

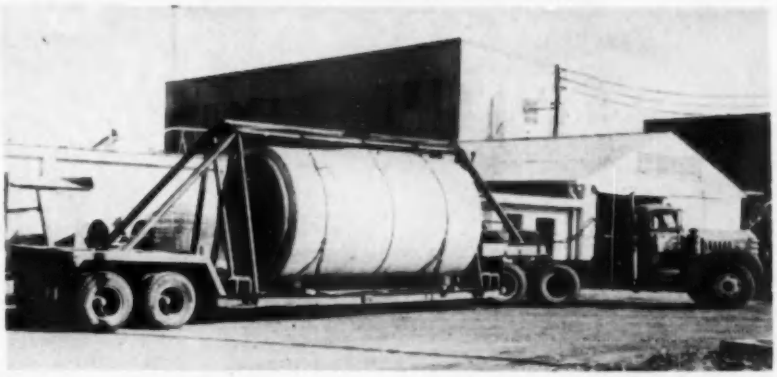
DIVCO TRUCK DIVISION DW DIVCO-WAYNE CORPORATION

22000 HOOVER ROAD • DETROIT 5, MICHIGAN

ASK YOUR DEALER TODAY for new brochure on refrigerated DIVCO trucks and for Selector Slide Chart to help you pick the right truck for your job.

'Pipe Dream' Trailer . . .

one man's answer to breakable load



THEY CALL IT "Jim's Pipe Dream"—but it's a highly practical dream that helped solve a hauling nightmare.

Jim Chelf, a Denver contract carrier, specializes in transporting unusual commodities . . . or hauling ordinary commodities to unusual places. As a result, he often has to design and build, or rebuild, much equipment.

Recently he took the contract for hauling concrete pipe from the Denver plant of Lock Joint Pipe Co. to the six-mile distant Hillcrest Reservoir.

The pipe has a 108-in. outside diameter, and each section weighs more than 47,000 lb. Concrete pipe is not fragile, but it must be handled carefully to prevent the cracks or chips that do ruin it.

Chelf modified a trailer for the job. The 42-ft unit now has a drop center and, when empty, scales just over 18,000 lb. He built a "Warren" truss over the center of the trailer. Three pieces of 4-in. pipe are used for the top. Bracing diagonals are 6-in. pipe.

Heavy steel outriggers slide out from the bed to support the trailer against the heavy side thrust during loading and unloading.

Steel cables run through pulleys on the middle of the truss, are strapped around the center of the pipes. The load is eased off or on with a power take-off winch on the tractor unit. When the pipe is loaded, it is blocked and chained securely for transit.

In unloading, the steel outriggers are slipped out to rest on big blocks placed at the side of the trailer. Then the pipe can be gently rolled to its place in the line of pipe awaiting installation. Only two men are needed for loading or unloading.

Your fleet takes a CONSTANT BEATING!

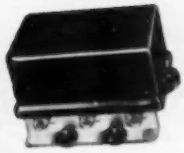
make sure the ignition system can take it

P&D-IZE regularly!

The largest percentage of passenger car repair jobs are caused by ignition failures. With trucks, buses, tractors the toll is even greater. The only answer is to P&D-ize on every tune-up.

P&D gives you a complete line of genuine parts warranted on each job. P&D gives you *service* you can trust, *reputation* you can rely on—more hours on the road, less time in the shop.

Join the crowd, get the P&D-ize habit. It pays! Send for a P&D technical book or ask your jobber.



GENUINE P&D PARTS

P&D MANUFACTURING CO., INC.
STARTING - LIGHTING - IGNITION
19-02 STEINWAY ST., LONG ISLAND CITY 5, N. Y.
Export Sales: Borg Warner International, 36 So. Wabash Ave., Chicago 3, Ill.

More details? Circle 254 on reply card inside back cover

Cut Towing Costs..

WITH A
WATSON Towmaster
(Detachable Truck Retriever Crane)

Typical of the many nationally-known fleets using TOWMASTERS, Pacific Intermountain Express uses the WATSON TOWMASTER to retrieve even the heaviest "West Coast" type tractors. Saves on downtime—operator tows out a good tractor and the load is on its way as he returns to the shop with the disabled one. TOWMASTER Truck Towing Cranes can be attached to or removed from any tractor fifth wheel in 10 minutes or less. "Lift-off" winch makes it an easy one-man job. Has plenty of capacity for all highway breakdowns and most wrecks, too—even 3-axle rigs. Costs less than $600.00—why pay more? *Write for free catalog today. Please address Dept. 18.*

18

WATSON

H. S. WATSON COMPANY
1316 - 67TH STREET, EMERYVILLE 8, CALIFORNIA
1606 LASKEY ROAD, TOLEDO 12, OHIO

More details? Circle 255 on reply card inside back cover

Lifts All CARS and FLATBED TRUCKS

SAV-T-JACK
AIR OPERATED

ONLY TWO STAGE LIFT

1st Stage - 43"

2nd Stage - 62"

★Will *not* damage soft bumpers Picks up by bumper brackets.
★Never becomes obsolete — Inexpensive adapters available.
★5,000 Lb. Capacity
★New long-lasting Hycar Cup in cylinder.

Model P600

Each SAV-T-Jack has an instruction chart on "How to lift 1961 Cars."

7-Ton SAV-T-HOIST also available

Write for complete information:

SAV-T-ENGINEERING CO. • 316 E. Beach Ave., Inglewood, Calif.

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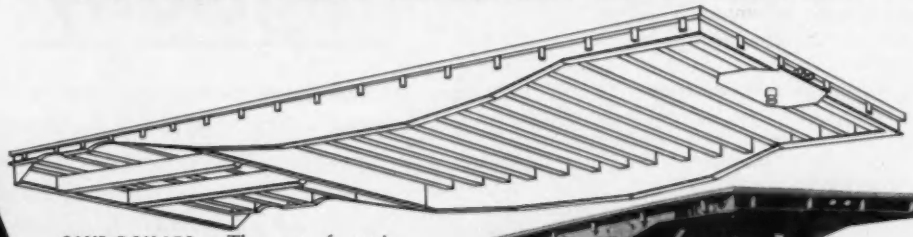
CONVERT YOUR USED TRAILERS WITH A
PAGE FLAT DECK TRAILER FRAME REPLACEMENT UNIT



COSTS LESS THAN ONE-HALF THE PRICE OF A COMPLETE NEW TRAILER

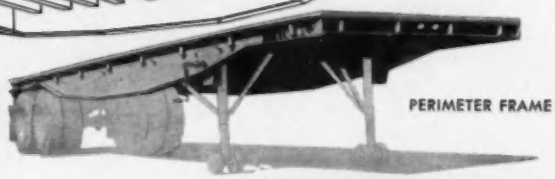
COMPANY FINANCING AVAILABLE

SAVE DOLLARS...The cost of repairs to an old trailer and the downtime can add up to a greater expense in a short time than the cost of a new trailer.

ADD PAYLOAD...The modern design and materials used on the Page Flat-deck Trailer Frame Replacement Unit provide minimum practical tare weight.

MODERNIZE EQUIPMENT...These good looking, functional frames increase the value of your present trailers bringing them up-to-date.

All Lengths and Capacities Available



FOR INFORMATION WRITE, WIRE, OR CALL...

PAGE PAGE co.
FACTORY AND HOME OFFICE 0605 S. W. CURRY, PORTLAND 1, ORE.
CA 6-1101—FAX GGB—TWX-PD 707

DENVER, COLO. BRANCH
3001 Walnut St., AM 6-2363

OAKLAND, CALIF. BRANCH
749 77th Ave., LO 9-7165

More details? Circle 213 on reply card inside back cover

TIRE BRANDING

NOW 1/3 OFF TRIAL OFFER

SAFETY

Continued from Page 89

Accident rates hold the line

General accident and fatality rates for both truck and bus fleets held the line during the third quarter of 1960.

The accident rates, compiled by the ICC, based on property damage of $250 or more: Trucks—2.2 per 100 million miles. Buses—2.9 per 100 million miles.

Some 34 persons died in bus accidents for a rate of 13.9 fatalities per 100 million bus-miles. Trucks: 15.6 per 100 million vehicle miles.

Safety Awards . . .

Here are recent and significant awards made by fleets to their drivers in recognition of good safety records:

Gore Freight Line, Norwalk, Conn.—a diamond pin to Alex Savitsky for 19 years of perfect driving. Smaller awards went to Arthur Bonfoey for 10 years and Michael Jakubiak with nine years of safe driving.

Aero Mayflower Transit, Indianapolis—to 45 drivers with up to 17 years without an accident.

Neuendorf Transportation, Madison, Wis.—to 71 men with from three to five years without an accident.

Dealers Transit, Richmond, Ind.—to the Union City, Ind., terminal for racking up the best record among Dealers Transit terminals. Awards also went to 34 drivers at Union City for averaging 222,138 accident-free miles each.

Central Truck Lines—to 97 drivers from terminals throughout the South for safe driving records of from one to 20 years.

Virginia Trailways—to Driver Marvin P. Hinson of Warrenton, Va., for racking up a million accident-free miles over a 15-year period.

Caterpillar Tractor Co., Peoria, Ill.—to two Crouch Bros. drivers for driving 100,000 accident-free miles in an IHC Model DCO(T)-405 tilt cab tractor equipped with Caterpillar's Model 1673 220-hp diesel.

Herr's Motor Express, Quarryville, Pa.—to 34 drivers for records of from one to nine years of safe driving.

END

Please Resume Reading Page 90

Keep profits on the go — even in snow with . . .

CAMPBELL CHAINS

Safety means profits. And National Safety Council studies prove that tire chains mean more safety in winter driving. That's why you keep *your* fleet rolling safely *and profitably* when you use Campbell Tire Chains. All tire chain bags are coded by bands and color for instant identification. Further, you are assured the best delivery and service from Campbell's nationwide network of factories and warehouses.

CAMPBELL CHAIN COMPANY

3 FACTORIES: York, Pa.; West Burlington, Iowa; Union City, Calif.
WAREHOUSES: Medford, Mass.; Atlanta, Ga.; Dallas, Texas; Chicago, Ill.; Portland, Ore.; Seattle, Wash.; Los Angeles, Calif.

SEND IN THE COUPON FOR THE NAME OF THE CAMPBELL JOBBER NEAREST YOU.

CAMPBELL CHAIN COMPANY, York, Pa.
Please send me the name of my local Campbell Chain jobber.
Name_____
Address_____
City_____ Zone____ State____

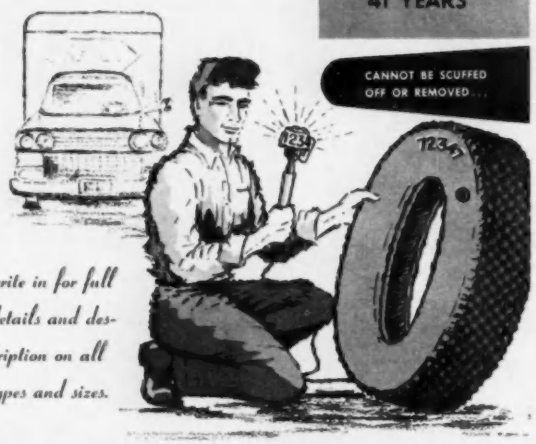
More details? Circle 212 on reply card inside back cover

TIRE BRANDING

AT ITS BEST

By EVERHOT

FINEST IN BRANDING EQUIPMENT FOR 41 YEARS



write in for full details and description on all types and sizes.

QUALITY WORKMANSHIP . . . GUARANTEED PERFORMANCE

MAYWOOD, ILLINOIS EVERHOT

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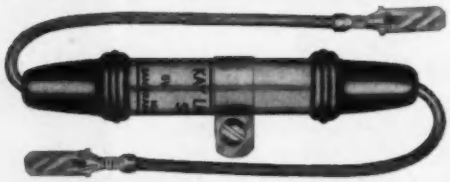
NOW 1/3 OFF TRIAL OFFER

ON KAY-LAB® FLASHER



To prove to you that Kay-Lab Stop-It really stops flasher troubles on trucks, taxis, police or emergency cars, delivery and service trucks, we offer you —

ONE KAY-LAB FOR ONLY $1.50
(regular dealer price $2.26)

Try it for flashing turn signals, and on-and-off warning lights (up to 6 simultaneously). No need to match flasher to lamps — Kay-Lab works with all candlepowers. Sealed rubber suspension and metal case protect flashing mechanism against road shock, steam cleaning, mud, dirt, oil, rust. Built-in safey — if one light goes out, others keep flashing. Should flasher fail, lights stay on.

For your trial Kay-Lab, write now on your letterhead enclosing $1.50. Specify whether 6, 12, 24 volt. Or buy in quantity at fleet prices from your automotive jobber.

#10

Dealer inquiries invited.

KAY-LAB FLASHERS

MANUFACTURED BY MACCHI & COMPANY
819A Valencia St., San Francisco 10, Calif.

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FREE to Every Shop Operator

- Diesel Compression Testers
- Nozzle Testers for American Bosch, Caterpillar and Bendix Nozzles
- Cummins Injector Tester
- International Harvester Injection Testers
- General Motors Injector Testers
- Injection Pump Calibrating Stands
- Nozzle-Injector Cleaning Tools and Lapping Blocks
- Engine Overhaul Stands
- Engine Removal and Parts Dollies
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76 Pages—275 Illustrations
56 Engine Reference Tables
26 Parts Lists

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Send us FREE copy of your Diesel Shop Manual AD54

We are: ☐ Fleet Operators ☐ Injection Service Shop ☐ Diesel Manufacturers ☐ Parts and Engine Distributors

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AD-15

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GET BIGGER PROFITS FROM YOUR FLEET...

LONGER MUFFLER LIFE
MAINTENANCE SAVINGS
PEAK POWER . . . QUIETLY
LOWER OPERATING COSTS

Get ATI "Engine-Mated" Mufflers, the only heavy gauge all-welded mufflers, custom specified to the cubic inch displacement of all truck or bus engines... the only mufflers that can possibly give you these outstanding savings.

Write, Wire or Call Today for the name of your nearest ATI Distributor

ATI HEAVY DUTY MUFFLERS

Alexander-Tagg Industries INC.
HATBORO, PENNSYLVANIA, OSborne 5-7200

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MAINTENANCE

Continued from Page 87

No. 2 grades. The goal is "to insure constant availability of fuels with proper characteristics to meet the requirements of top Diesel engine performance."

- Requests for tachometer and speedometer drives for both transmissions and front wheels which are accurate within two per cent at 50 mph, have a cable speed of 1000 turns per measured mile and last 300,000 miles.

All fleet maintenance men are invited to attend the Committee's next meeting. It's slated for Detroit, Jan. 11-12, and is being held in conjunction with SAE's transportation and maintenance activity.

Bleeding dual-reservoir brakes

Cadillac and Rambler for 1962 have dual-hydraulic master cylinder reservoirs. Bleeding those brakes will be a little confusing for some mechanics.

The Bendix unit is painted black. It has two reservoirs interconnected above the normal fluid level—so the pressure bleeder needs to be applied only to one of the reservoirs. The other reservoir should be closed with a non-vented cap so you can build up pressure. You bleed all four wheels with this single connection.

The Delco-Moraine unit is finished in a natural metal color. One bleeding won't work on this unit because it has two completely separate master cylinder reservoirs. You'll have to connect the pressure bleeder to each reservoir, bleeding front brakes from the rear reservoir, rear brakes from the one in front. With this unit, it's not necessary to close the opposite reservoir for building up pressure.

You can make your own non-vented pressure cap for bleeding the Bendix unit. Either solder or peen over a regular replacement vent cap. Then mark the cap to show it's a tool, not a replacement part. Use it later for similar operations.

Check your combustion analyzer

If you're testing the exhaust gas on vehicles in your shop with a combustion analyzer, you'll want to make sure it's giving you an accurate picture.

First, make sure the pickup tube extends into the tailpipe at least 18 in. Otherwise, you'll get a diluted sample and inaccurate readings. This is a particular problem on engines with considerable valve overlap and where the tailpipe is considerably shortened.

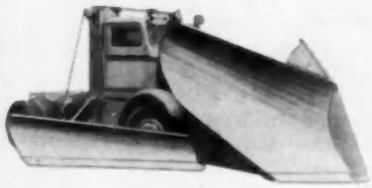
When you're testing duals, it's best to put the pickup tube into the tailpipe on the side opposite the manifold heat riser valve.

And it's a good idea to take the analyzer back to your jobber occasionally for re-calibration.

END

Please Resume Reading Page 88

SNOW PLOWS



V-PLOWS—from 8′ to 9½′ swath—nose heights 30″ to 54″.
WINGS—10′ to 12′—partial or complete hydraulic control.

STRAIGHT PLOWS—reversible—9′ to 12′ lengths—heights from 29″ to 60″.

TAPER PLOWS—9′ to 12′ length of cutting edge—full range of heights and adjustable or one-way.

RIGHT-V-LEFT—hydraulic control in cab converts right-hand taper to "V" and to left taper while truck is in motion.

PLUS CUSTOM DESIGNS AND SIZES TO MEET EVERY POSSIBLE REQUIREMENT

THE GLEDHILL ROAD MACHINERY CO.

builders of the plow with the perfect moldboard GALION, OHIO

More details? Circle 257 on reply card inside back cover

SPECIFY Williams BRAKE VALVES

MECHANEX
WHEEL OIL SEALS

FIRST CHOICE
OF FLEETS
...and factories too!

It takes consistent high quality and top performance to stay on top year after year. And that describes MECHANEX—the ORIGINAL WHEEL OIL SEAL! More than HALF OF THE 100 LARGEST TRUCK FLEETS in the nation today MECHANEX WHEEL OIL SEALS EXCLUSIVELY. Trailer manufacturers—both large and small—have chosen MECHANEX—the ALL product.

HERE'S WHY...
- Dust-proofing principle
- Simplified installation
- Longest Life
- Lowest Replacement Cost
- and 16 additional superior features

Mechanex CORPORATION
3773 S. ...
Englewood, Colo.

More details? Circle 283 on reply card

Action is filmed from this truck at speeds up to 100 mph with no jounce.

Flotation tires give smooth high-speed ride

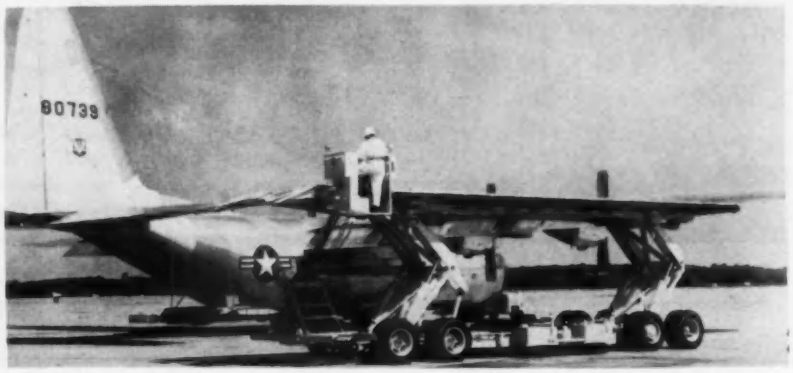
SOFT RIDE for over-the-road photographic equipment is supplied by outsize flotation tires from Harmo Tire & Rubber Corp., Detroit. The same soft-riding principles might well be adapted to conventional transport vehicles that haul electronic equipment or other fragile merchandise with a minimum of protective packaging.

Jack Frost Electric Co., Detroit, developed a new truck, known as an insert car, to enable motion-picture cameramen to photograph vehicles traveling at high road speeds. The truck travels up to 100 mph without bounce or jiggle. The largest GMC motor with Hydra-Matic transmission was installed on a GMC one-ton chassis.

To prevent jiggling, the vehicle was equipped with Harmo flotation tires—1250 x 16 on the rear axle and 1100 x 16 on the front. It was found that 18 lb of pressure gives the best ride for the average-size camera crew. Air pressure can be varied to suit the number of men carried—without hampering the smoothness of the ride. The smooth, concentric tread of the flotation tires even did away with minor ripple at low speeds caused by conventional tire tread "crossbars." Frost officials say they can hardly notice vibration in a glass of water riding on the vehicle's rear platform, regardless of load or speed.

Until recently, most Harmo customers have been in heavy-equipment and construction fields where flotation tires permit safe travel over sand and swampy ground.

AIR LIFT TRUCK—New air cargo handling system from American Machine & Foundry Co. is for use on military and commercial airplanes. AMF says the system drastically reduces airplane turnaround time. Key to the system is the loader shown here. It's capable of lifting 40,000 lb, is handled from "cab" where workman stands.



SPECIFY Williams® BRAKE VALVES

ON YOUR NEXT TRUCK OR TRAILER

"Why settle for less than the best"

Power Brake Equipment Company is the West's most experienced manufacturer of brake controls for the trucking industry. For safety's sake . . .

★ **SPECIFY** Williams Valves on your next truck purchase. Brake kit WM-357-A contains every valve needed between the air compressor and the brake chambers.

★ **SPECIFY** Williams Valves on your trailers. WM-101 was designed for rugged Western operations.

★ **ASK** your dealer about Williams Exhaust Brakes, Air Scales and P.T.O. Shift Kits.

FOR SAFE, SURE STOPS!

POWER BRAKE EQUIPMENT CO.

1700 S.E. 11th AVE., PORTLAND 14, ORE. • BElmont 4-6621

More details? Circle 260 on reply card inside back cover

THE ORIGINAL SPRAY STARTING FLUID*

• Starts diesel and gasoline engines (from the smallest to the largest) down to 65° F. below zero • Starts in seconds • Excellent in humid weather too • Millions of cans sold • See your automotive jobber

*The inventors of spray starting fluid. Patent No. 2,948,595

Ask for the can with the "balky donkey" trademark

SPRAY PRODUCTS CORPORATION

P.O. Box 1988 • Camden 1, N.J.

More details? Circle 261 on reply card inside back cover

■ Here's a ruggedly built dock bumper that minimizes dock, truck and freight damage by absorbing the impact of trucks backing into docks. Easily installed on wooden or concrete docks, they are the only bumpers made from resilient reversible rubber reinforced fabric that give you double service life. The bumpers will remain resilient even when frozen . . . require no covering and will not flatten or pack.

Write for detailed literature and prices.

BUMPERS, INC.

Subsidiary of Rowe Methods, Inc

2534-E Detroit Ave. • Cleveland 13, O.

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PULLING AN ENGINE IS A ONE MAN JOB . . .

WITH **RUGER** MULTI-PURPOSE MOBILE CRANES

CAPACITIES TO 3 TONS

Handle your heavy maintenance jobs easier, faster and safer with versatile RUGER hydraulic cranes. Powerful and durable, these mobile cranes permit one man to pull or install engines, transmissions, differentials, saddle tanks, fifth wheels and other heavy parts or loads. And they can be used anywhere in any shop! *That's why you can do more . . . save more . . . with RUGER cranes.*

WRITE FOR DETAILS AND PRICES.

THE CRANE WITH 1000 USES

RUGER

RUGER EQUIPMENT, INC.

635 West Fourth Street — Uhrichsville, Ohio

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TERRIFIC 30 DAY FREE TRIAL

PROVE SAVINGS TO YOURSELF

No Tangled Drop Cords in Your Shop with . . .

OUTLASTS 25 ORDINARY DROP CORDS

Cordomatic® Reels

FREE 30 DAY TRIAL

Nothing to pay! No strings attached! In 30 days prove to yourself how CORDOMATIC REELS can cut operation costs, increase safety. Light and power where needed . . . If not satisfied—no obligation. Just return reel to your jobber. No inconvenience.

FOR ECONOMY, CONVENIENCE AND SAFETY . . .

your choice of reels for your needs. Automatically Retracting Cordomatic Reels extend and lock to any length. Pistol-grip Phenolic Handle. Neoprene Cord. Just plug in to convenient outlet. GROUNDING TYPES AVAILABLE.

ACT NOW! TRY IT— BUY IT OR RETURN IT!

SEND COUPON TODAY FOR FULL INFORMATION

Cordomatic® Reels

17th & Indiana Ave., Phila. 32, Pa.

CORDOMATIC REELS, PHILA. 32, PA. CCJ

PLEASE SEND:

☐ 30 DAY TRIAL OFFER

☐ LITERATURE

Name .....

Title .....

Company .....

Address .....

Name of Jobber .....

More details? Circle 262 on reply card inside back cover

HOW BOYERTOWN KEEPS EVERY BODY HAPPY

Boyertown Auto Body Works of Boyertown, Pennsylvania is keeping delivery truck owners, drivers and maintenance men especially happy these days by using a new, all-around material in its body construction: J&L Nickel-Copper-Titanium high-strength forming steel.

The owner is pleased because lighter weight means lower operating cost. And Boyertown has been able to save from 600 to 650 pounds over mild steel in a 12-foot forward control delivery body—with no sacrifice of strength!

The driver is satisfied because the increased ductility of J&L Nickel-Copper-Titanium makes it possible for Boyertown to design bodies with greater flexibility—provide more convenience and safety for the man behind the wheel.

The maintenance man is happiest of all. J&L Nickel-Copper-Titanium has a minimum of 4 times the corrosion resistance of mild steel. (For extra protection, Boyertown coats it with rust-inhibiting zinc chromate). It has greater abrasive and impact resistance, and less tendency to dent and wear.

When maintenance is necessary, dents can be easily "bumped out," and repairs are quick and inexpensive.

That's why Boyertown—a pioneer in the use of high-strength steel—continues to specify J&L Nickel-Copper-Titanium for its exterior and interior truck panels, posts, ribs, cross members, floors, doors and windshield assembly. Ask your J&L salesman about J&L's other new high-strength steels, JLX-W Columbium-Bearing and J&L "Cor-Ten."

Jones & Laughlin Steel Corporation
3 Gateway Center, Pittsburgh 30, Pennsylvania

J&L STEEL

More details? Circle 263 on reply card inside back cover

Cut costs, save time with B&D accessories

Regardless of whether you're interested in wet or dry pick-up, you'll find B&D-designed accessories equip your unit with the versatility needed to finish the job ahead of schedule.

STANDARD ATTACHMENTS feature a full line of ruggedly built brushes, squeegees, nozzles, straight and curved extensions for wet or dry pick-up.

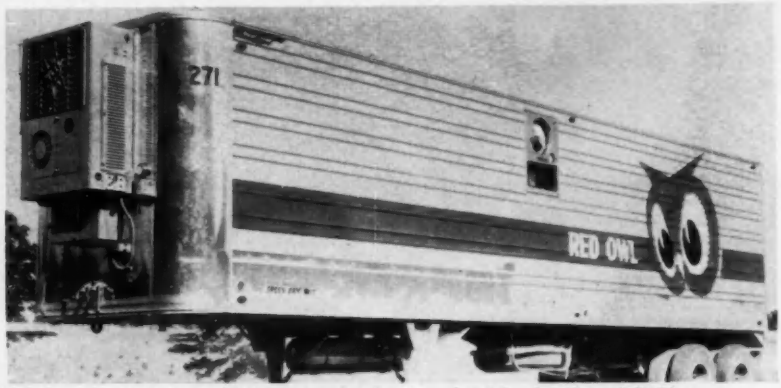
LIGHTWEIGHT COMMERCIAL ATTACHMENTS include handsomely-designed floor and dust brushes, upholstery and drapery nozzles, and extension tubes.

HEAVY-DUTY ATTACHMENTS offer you a longer-lasting quality line for wet and dry pick-up.

Your local B&D distributor has them all. Give him a call today!

Black & Decker
ACCESSORIES DESIGNED FOR THE TOOL

More details? Circle 282 on reply card



Two-compartment, multi-temp reefer hauls mixed loads of perishables

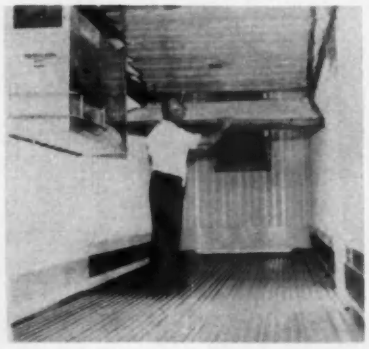
Supermarket uses new two-compartment multi-temperature reefer trailers

RED OWL Stores, Inc., Minneapolis, Minn., is now hauling frozen foods and fresh produce in one trailer at the same time. Specially-designed reefer units were developed for the supermarket chain by engineers of two companies.

Great Dane Trailers, Savannah, Ga., produced a new two-compartment trailer with side doors. The unit is divided into two sections by a sliding bulkhead door. Sliding feature enables operator to adjust compartment sizes to suit cargo.

Thermo King Corp., Minneapolis, Minn., designed a dual-temperature system to maintain high and low temperatures in the two compartments. Called the "KLA-EH" Combination, the system consists of two units: The Model No. KLA-10 is mounted on the front of the trailer. Basically a low-temperature unit, it may also be used for high-temperature operation in cooling service only. It's similar to standard engine-powered units but also has an engine-driven alternator that furnishes electricity for the unit in the rear compartment.

Red Owl Garage Superintendent A. Peter Fitch demonstrates sliding bulkhead door inside the trailer



Temperature control for the rear section of the reefer is provided by the Model No. EH-45 electrically-powered cooling-heating unit. For high-temperature service only, it maintains proper level for hauling fresh produce, cools in summer, heats in winter.

The entire system operates as follows:

- For hauling frozen and fresh foods in two compartments — both units function at the same time. Front section is for frozen food, rear for fresh produce or chilled foods.
- For hauling fresh or frozen foods in front section and non-refrigerated products in rear section—only the front unit operates for low or high-temperature cooling.
- With divider bulkhead removed for hauling fresh foods only—front unit or both may be used as needed.
- With bulkhead removed for hauling frozen foods—front unit only provides low temperature, providing load requirement does not exceed operating capacity.
- For winter hauling of fresh produce in rear compartment only with no temperature control required in front section—rear unit provides high temperature. In this case, the front unit must operate to generate current, but its compressor is shut-off.

Full line of Black & Decker Vacuum Cleaners has the power you need in the model you need!

The test of any vacuum cleaner is its power at the point of pick-up. Black & Decker Heavy-Duty Vacuum Cleaners pass that test with flying colors! Every model in B&D's complete vacuum cleaner line has power to spare . . . gives *fast* pick-up of wet or dry dirt in cars, in the pit, on the floor.

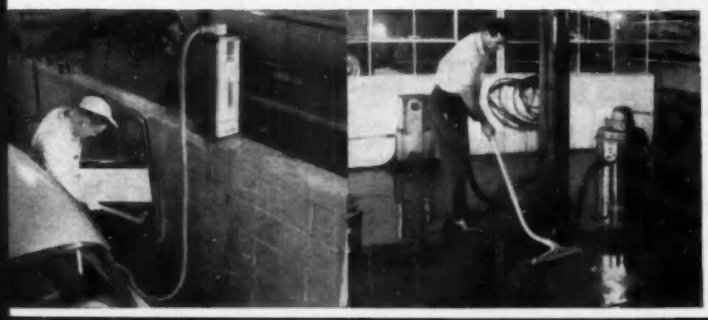
You'll find tank inlets designed to increase dirt loads, easy-outlets to speed wet disposal, stainless models in the #65 series, the most modern attachments with a nose for dirt. Wide choice of capacities, too . . . from ¼ bushel to 40 gallons. Black & Decker Vacuum Cleaners are available at most B&D jobbers for low monthly payments. *For sales or service look in the Yellow Pages of your telephone book under . . .* TOOLS ELECTRIC

Black & Decker®

World's leading maker of power tools

Portable or easily-mounted, the versatile #25 is a heavy-duty lightweight that makes light work of any cleaning job.

Scoop up heavy dirt, clean up wet, slippery floors with B&D's stainless #65. Low tank outlet for easy wet-disposal.



THE BLACK & DECKER MFG. CO., Dept. 5411
Towson 4, Md. (In Canada: Brockville, Ont.)

☐ Please arrange for a demonstration of the B&D Vacuum Cleaner line.
☐ Please send more information on Vacuum Cleaners.

Name.....Title.....

Company.....

Address.....

City.....Zone.....State.....

☐ Drills ☐ Polishers ☐ Sanders ☐ Impact Wrenches

More details? Circle 217 on reply card inside back cover

Last winter's lesson:

Get WEED CHAINS Earlier

Thousands of trucks were tied up by early snows last winter—caught unprepared without the WEED V-Bar TIRE CHAINS that would have kept them rolling. The result was soaring overhead costs, broken schedules, disappointed customers. Don't risk having this happen to your trucks. You're sure to need WEED CHAINS this winter so get yours now and have the traction you can trust—right from the start. Don't settle for anything less than genuine WEED CHAINS.

GET THEM NOW

Check your tire chains now. Make necessary repairs early. Order new chains from your Weed Chain distributor.

In Business for Your Safety

ACCO

AMERICAN CHAIN DIVISION
AMERICAN CHAIN & CABLE

York, Pa., Boston, Chicago (Melrose Park), Denver, Houston, Los Angeles, New York, Philadelphia, Pittsburgh, Portland, Ore., San Francisco, Bridgeport, Conn.

In Canada: **DOMINION CHAIN COMPANY, LTD.,** Niagara Falls, Ontario

Roving shop keeps rigs on the job

AN "OUTSIDER" has come up with a roving PM shop to service rigs for local fleets, either in the garage or in the field.

The "outsider" is Bill Roake, owner and manager of Hilltop Service Station, Geneva, Ill.

Using a specially-adapted Jeep dual-wheel FC-170, he brings his lubricants and tools right to the fleetman's door. He makes his calls during the vehicles' off-duty hours, even at night.

Roake's customers include the entire Illinois Bell Telephone Co. truck fleet based in the Geneva area, plus some smaller local firms. One, for example, is a construction fleet which requires service at the building site. Another—a garbage truck fleet—hadn't had a single grease job prior to Roake's taking over its PM work.

"That's not the 'drive-axle weight' I was referring to!"

Another on the way

With the first "roving shop" being worked to its maximum capacity, another had to be ordered. More elaborate, it includes a built-in welder and a steam cleaner. Roake intends to acquire his own fleet by adding one PM truck a year for 10 years.

Special equipment

The first unit is honeycombed with storage tanks for every type of engine and transmission oil. A special valving system, which he added himself, lets pumps do double duty by operating more than one tank. There are seven reels with high-speed pumps and about 50 ft of hose for each pump. The air compressor capacity is sufficient to operate power tools and jacks.

Other items on the rig include a large generator, water pump for draining flooded areas and an 8½-ft snowplow.

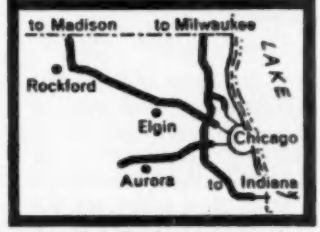
In most of the areas he visits, Roake also provides vehicle washing among his services.

"How's that?"

FOLLOW THIS SIGN TO
ILLINOIS TOLLWAY

Write for
FREE
MAP

ILLINOIS TOLLWAY, Hinsdale, Ill
Phone HINSDALE FA 3-9000
CHICAGO BI 2-3820



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For any automotive use of

MOLDED FIBER GLASS

call the pioneers and experts. Free literature, counsel and quotations. No obligation. Write:

MOLDED FIBER GLASS BODY CO.
4637 Benefit Avenue
Ashtabula, Ohio

New from Ken

automatic
SELF-LEVELING
BATTERY FILLERS

- FLOW AUTOMATICALLY!
- SHUT OFF AUTOMATICALLY!
- FILL TO CORRECT LEVEL!
- BIG 2½-QUART CAPACITY

Ken's New B-70 Automatic Battery Filler quickly fills to correct level—shuts off automatically. No spills... No dripping. Ideal for dry charge batteries. Both valve and container are made of high-impact styrene and polyethylene to withstand long, hard use with either water or battery acids. Also features the only automatic valve for which all parts are replaceable!

Dual-Automatic
FILLER and TESTER

Another "first" by Ken, this B-71 Automatic Filler and Tester is combined in a single unit to make battery service a one-stop operation. Fills batteries to correct level automatically.

Tests either 6 or 12 volt systems with visual trouble indicator. Extra wire, with simple clip, makes it easy to locate many other car shorts.

Find trouble fast and easy

- Sell more charges
- Sell more batteries
- Sell more service

CALL YOUR JOBBER

Put one of these sales builders to work for you now!

Get your pocket-size copy of Ken's all-new, complete-line catalog. Ask your jobber or write Ken direct.

K-961-126 A

THE KEN-TOOL MFG. CO.
AKRON 5, OHIO

Largest exclusive manufacturer of Specialized Tire Changing Tools, Equipment, and Garage Tools . . . Known and used around the World.

More details? Circle 285 on reply card ⟶

Engler HUBODOMETERS For

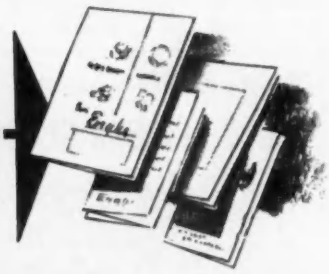
- PREVENTIVE MAINTENANCE
- WARRANTY PROGRAMS
- LEASING or RENTALS
- INTERCHANGE of EQUIPMENT

"Engler Hubodometers help Kroger to maintain accurate mileage records for heavy-duty trailers." . . .

The Kroger Company
1014 Vine Street
Cincinnati, Ohio

Over 10 years of fleet acceptance and field experience have proven Engler Hubodometers the accepted method of the industry for measuring mileage accurately and continuously. Hermetically sealed units provide complete and controlled registering of all commercial vehicle mileage and are ruggedly built for years of dependable service. Engler Hubodometers are also available on new equipment at all truck, trailer, and bus manufacturers.

Write for free illustrated literature on our products.



Engler

Instrument Company

250 Culver Avenue, Jersey City, N. J.
Phone HEnderson 4-6500

TRUCK FLEETS

Continued from Page 13

Nine states up size, weights

Nine state legislatures this year have increased size and weight limits for trucks. A dozen more are still considering like increases.

Here's how it shapes up:

South Dakota — 13½-ft height, 60-ft length for tractor semi-trailers.

Colorado — 65-ft length for three-unit combination.

Wyoming—65-ft length for all combinations.

Indiana—60-ft limit for auto transport rigs.

Idaho, Nevada, Oregon, Utah—gross weight increased for certain combinations.

Kansas—73,280 lb gross weight.

West Virginia—gave authority to State Road Commissioner to raise limit to 70,000 lb on some highways.

Maine—passed by legislature: 70,550 lb limit.

Among the States

Here are brief highlights of recently enacted state legislation to keep you up-to-date on new laws affecting your fleet operation. For exact wording, contact your state truck or bus association or motor vehicles department. The number in parentheses following each item identifies the legislative bill.

Alabama—taxes motor vehicles according to value (H.669).

Illinois—permits total tandem-axle weight limit of 32,000 lb with 18,000-lb limit on either axle (S.531); sets new fee schedule for trailers (S.610); requires trucks to stop at railroad crossings and remain standing until approaching train has passed (H. 1241); increases length limits to 55 ft for tractor-semi-trailer combinations and 60 ft for auto transporters. permits 3-unit combinations up to 60 ft (S.494); issues annual permits for auto transport semi-trailers, to allow an overhang within the 60-ft length limit on certain highways (S.495).

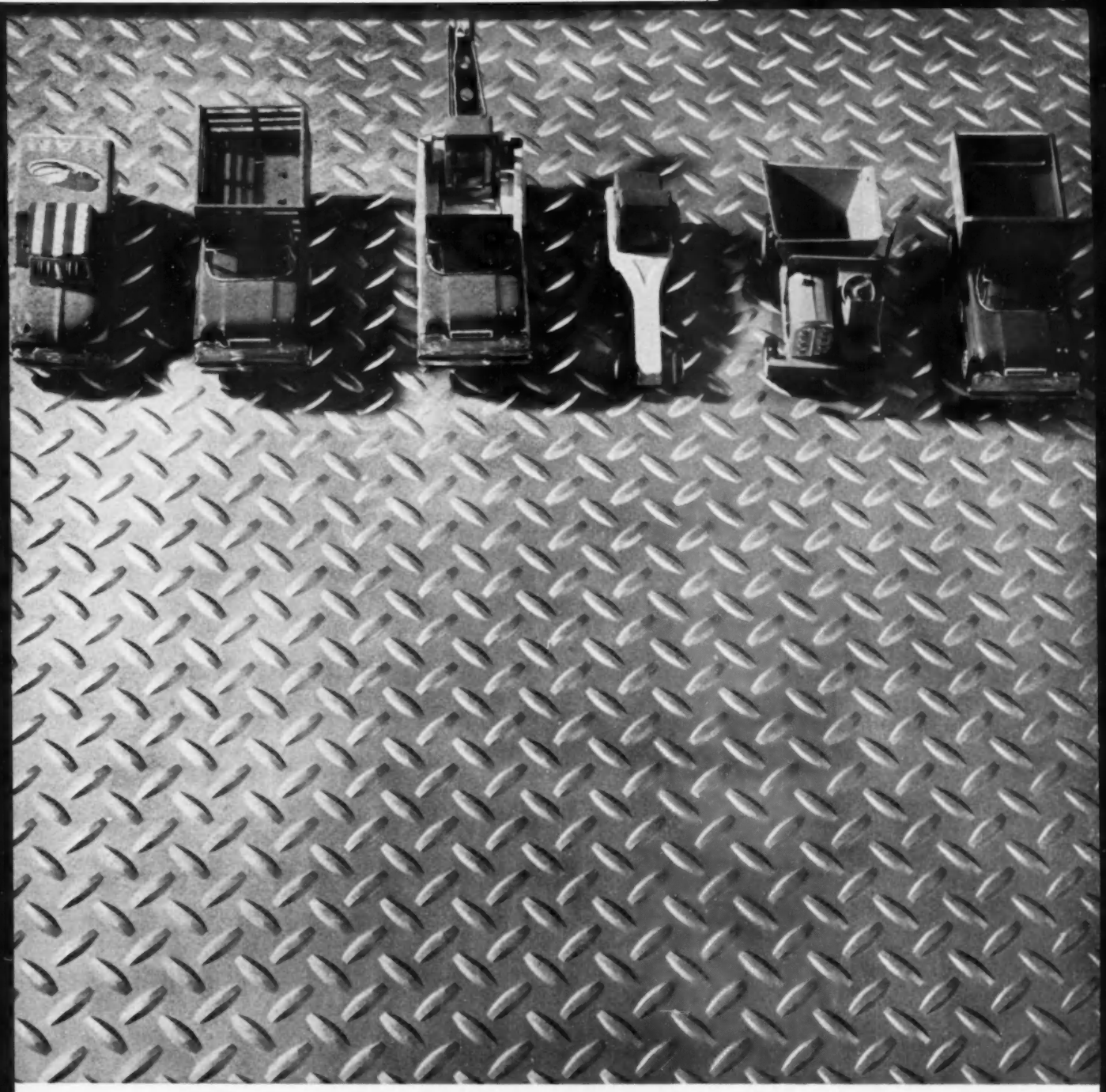
Texas—increases driver license fees, amends and imposes certain excise taxes (H.20-X).

Wisconsin — amends axle-weight limits on trucks hauling dairy products (H.529).

(TURN TO PAGE 306, PLEASE)

More details? Circle 285 on reply card ⟶

Tools . . . Known and used around the World.



(go-togethers)

TRUCKS AND INLAND 4-WAY® SAFETY PLATE

For very good reasons, too. Used on bumpers, tailgates, steps, floors and interiors of trucks and trailers, 4-Way, the tough steel plate with the distinctive raised-lug pattern, adds rugged protection against bumps, scrapes and grinding wear. What's more, it provides safe footing for personnel. Easy to fabricate and install with ordinary shop equipment, it is attractive and remarkably long-wearing. 4-Way Safety Plate comes in three pattern sizes and in thicknesses from 18 gage to 1". Specify it by name . . . Inland 4-Way Safety Plate. (Get the "63 Practical Ideas" book, 24 pages of ideas for using 4-Way Safety Plate on your trucks. Write to your local Steel Service Center or Inland Steel Company.)

STEEL SERVICE CENTER INSTITUTE

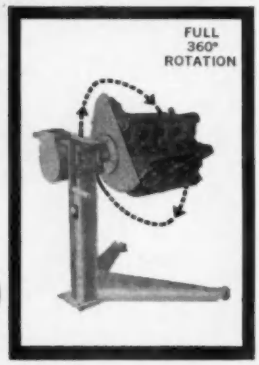
INLAND

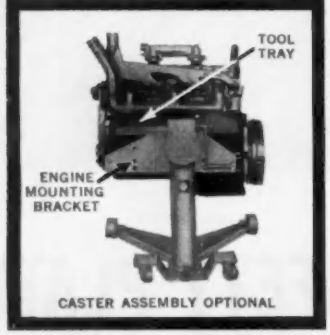
AVAILABLE FOR IMMEDIATE DELIVERY FROM YOUR LOCAL STEEL SERVICE CENTER

INLAND STEEL CO.
30 West Monroe Street
Chicago 3, Illinois

More details? Circle 265 on reply card inside back cover

Top, bottom, sides... all hard to reach engine areas worked easily with new OTC positioning stand





ENGINE WORK DONE FASTER, SAFER, EASIER, FOR BETTER OVERALL SHOP PROFITS

New OTC engine positioning stand is fast and safe to operate—allows mechanic to easily rotate engines through a full 360°.

A self-locking matched worm-and-gear set, with 8" crank, allows engine to be locked in any position. Engines are mounted on stand by means of an adapter bracket which is bolted to stand and engine.

Model No. 1700 weighs only 135 lbs., handles engines weighing up to 1200 lbs. Stand can be bolted to floor, or made mobile with optional caster assembly.

Here is a valuable piece of equipment which speeds up engine service . . . gives you added profit in time saved.

Visit us at the 1962 A.S.I.A. show.

RESEARCH · ENGINEERING · DEVELOPMENT · OTC

OWATONNA TOOL COMPANY

341 CEDAR STREET, OWATONNA, MINN., CABLE: TOOLCO

Designers and manufacturers of the world's most complete line of Maintenance Tools and Hydraulic Equipment.

PULLERS AND PULLER SETS · HYDRAULIC RAMS AND PUMPS · HYDRAULIC SHOP PRESSES · HAND TOOLS

TRUCK FLEETS

Continued from Page 304

Berlin spurs ICC actions

Worsening world tensions, particularly the growing Berlin crisis, is adding an urgency to the reorganization and expansion of the ICC's transportation Executive Reserve.

The Executive Reserve operates under the agency's Office of Mobilization. It is a part of the government-wide National Defense Executive Reserve program. This is a system whereby key industry executives are selected, trained, and prepared to take over various government functions in case of a major national emergency.

At the ICC, these men automatically take on federal authority to keep the transportation system running in such an emergency. It is now made up of 43 motor carrier executives, 46 from the railroad industry, five from inland waterways, and 13 from traffic management, administration, and warehousing. All have security clearance.

The reserve will be expanded and set up on a regional basis to make the system more efficient if it is ever called into play.

Strickland goes 100% sleeper

Strickland Transportation System has converted its entire fleet to two-driver sleeper cab tractor-trailer units.

The company claims to be the first fleet east of the Rockies to make such a conversion.

It took the purchase of some 200 new sleeper cab tractors ($3.75-million) to complete the project.

Uniform law group elects

National Committee on Uniform Traffic Laws and Ordinances has elected Robert Montgomery, Jr., its new executive director.

He replaces Maitland H. Bustard who continues to serve as legislative draftsman.

The group this summer started a new drive to promote its model uniform legislation among 50 states.

(TURN TO PAGE 315, PLEASE)

Before you buy another truck— get the answers to these important questions.

What's the true measure of truck performance

What's the true measure of truck economy

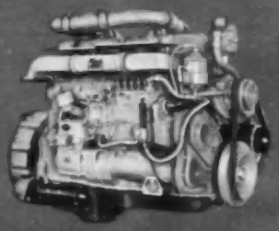
What's the true measure of truck acceptance

The true measure of truck performance

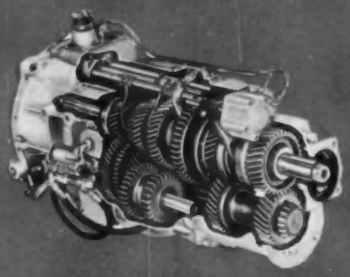
—as more and more operators are learning—is the ability to quickly reach and hold maximum legal road speeds. They are recognizing that such performance does not depend on rated engine horsepower alone but on the **over-all efficiency** of the entire power train. And they are demanding **sustained performance**—like-new performance over hundreds of thousands of service miles.

Fast acceleration and maintenance of steady speeds are outstanding features of Mack trucks. Owners tell us that their Macks consistently out-perform other makes, even those with higher engine horsepower ratings. They know the reason—and it's no secret. Mack—alone among truck manufacturers—makes all its major components—including engines, clutches, transmissions, axles, rear ends. Makes them to work together to a degree of efficiency impossible in trucks assembled with purchased components . . . makes them to the highest standards of the industry. Mack calls this exclusive and performance-rewarding practice . . .

Balanced

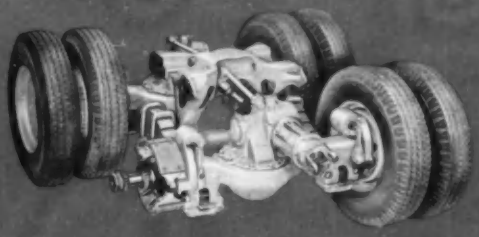


Mack-built engines—High performance, longest-lived engines on the road today. Famed Thermodyne diesel and gasoline powerplants are Mack-built . . . often operate over half a million miles without breakdowns or overhauls.



Mack-built transmissions—No loss of momentum while shifting. Mack transmissions from 5 to 18 speeds are even-split—you get the right ratio for grade and load. Service records prove that Mack transmissions stand up to heavy-duty hauling far longer and need less attention than any others.

Mack-built rear axles—Maximum performance is obtained by a wide range of ratios offered in Mack rear axles. For maximum traction under adverse conditions, Mack offers the single-axle PowerDivider cam and plunger differential which automatically directs a bias of torque to the wheel with traction.



Mack-built Balanced Bogie—Where six-wheel performance is required, the Mack Balanced Bogie has become synonymous with four-wheel-rear-axle drive. Mack's patented PowerDivider inter-axle differential gives no-slip traction in slippery going by directing a bias of torque to the axle with traction . . . assures maximum performance under all road conditions.

Design

What's the true measure of truck economy

What's the true measure of truck acceptance

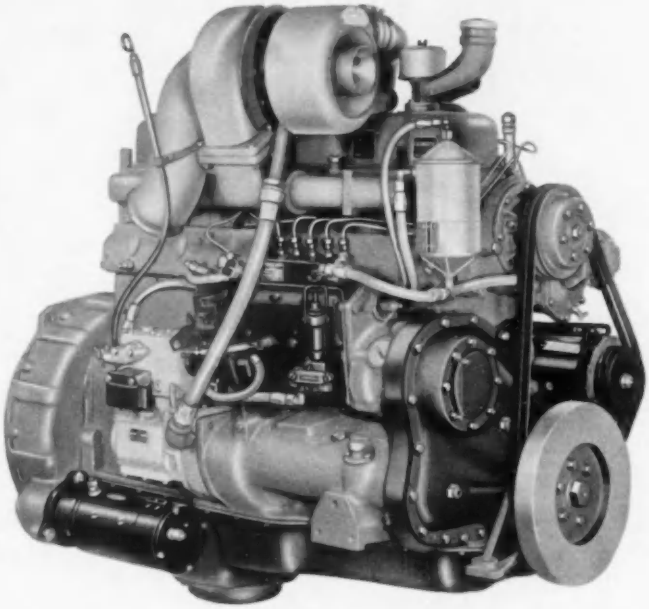
The true measure of truck economy

is the over-all cost to you during the useful mileage life of your truck—not just its initial price. The over-all cost of a truck must be directly related to the job you expect it to do. Yet some buyers still persist in trying to save on truck costs by cutting corners on initial price. Their big mistake is in buying trucks that aren't tough enough for the job to be done. It's an old saying but true, "Don't send a boy to do a man's work," and most trucking is strictly "man's work."

There are mighty few trucking jobs where it pays to use "second best" or "bargain" equipment. When you talk truck economy figure **all** the costs. Compare fuel mileage, maintenance, repairs and downtime over the life of the truck—not projected from carefully controlled manufacturers' tests but based on **owner-proved performance** records the Mack owners are proud to supply. And don't forget trade-in value—a Mack is always worth more at trade-in time. When you've made all these comparisons you'll see how Mack Balanced Design pays off in economy as well as performance. And you'll see there isn't a doubt in the world that a Mack is truly your most economical truck buy.

Outstanding example of Mack economy benefits—

the Mack Thermodyne



The Mack Thermodyne® is America's No. 1 diesel because it provides an unmatched combination of lively performance, thrifty fuel consumption, and durability over hundreds of thousands of service miles. Ideally suited to modern truck design, it embodies such famous Mack exclusives as the vital Air-Swirl combustion system . . . Durafaced valve lifters . . . angle-split connecting rods . . . Everlasting timing gears. And it uses #2 diesel fuel which is cheaper and contains more energy. These are a few of the outstanding reasons why Mack has led in diesel truck sales for over eight straight years.

Naturally aspirated, the Thermodyne diesel delivers a full 180* h.p. But when more power is required, the 205* h.p. Mack Turbocharged diesel more than fills the bill. With no increase in size—and weighing and costing much less than comparably rated diesels—it uses waste exhaust energy to operate the oil-cooled blower. The Turbocharged Thermodyne diesel, powering a Mack B673T tractor, was recently certified for New York State Thruway double-bottom operation—easily maintaining speed requirements over the steepest grades with GCW over 90,000 lbs.

*187 and 211 h.p. respectively if rated on same basis as engines of other manufacturers.

Diesel

What's the true measure of truck acceptance

The true measure of truck acceptance

can only be based on the records of successful operators. We continually check all kinds of truckers—large fleets . . . one-man lines . . . long and short haulers . . . operators in every type of business in which heavy-duty trucks are used. And we publish such reports—in far greater volume than other manufacturers—so you can take the operator's word for it—not ours.

We ask them one question:

Why do you use Macks?

And the answer is always remarkably the same.

Given reasonable maintenance, they say, **a Mack will run longer . . . save more . . . earn more . . . than any other truck we have tried.**

Burton I. Eskow, Treasurer
Yale Express System, Inc., N. Y. C.

"Our Macks are unequalled in their continued high standards of performance, dependability and driver acceptance."

K. W. Riffel, Fleet Manager
Drewry's Ltd., U. S. A., Inc.
South Bend, Indiana

"After more than 200,000 miles per unit, maintenance is only one cent per mile, including oil and filters."

Milton A. Hendrickson, President
Hendrickson Bros., Inc.
Valley Stream, New York

"In construction work Macks are one investment that pays off."

R. R. Smith, President
Smith's Transfer Corp.
Staunton, Virginia

"Total maintenance on our 245 Mack tractors averages under .0146 cents per mile."

Charles W. Miller, owner-driver for
Wheaton Van Lines
Indianapolis, Indiana

"I slashed my operating costs 50% with Macks."

Richard Herman, President
Herman Brothers, Inc.
Omaha, Nebraska

"Macks make all the difference in the world."

George Sawyer, Vice President for Fleet Operations
Leonard Bros. Transfer
Miami, Florida

"We need all the truck we can get. With Macks we get all the truck we need."

W. W. Patterson, Jr.—President
Central New York Freightways, Inc.

"Turbo power for 90,000 GCW double bottoms—compactness for versatility."

R. McInturff, President
Rutherford Freight Lines, Inc.
Bristol, Virginia

"Our Mack diesels have run over 350,000 miles and still net us 7 miles/gal."

Can you afford NOT to own Macks?

Performance—economy—acceptance . . . Mack has them all. When you talk performance on tough hauling jobs you talk Mack's language. No matter where you need truck performance, if it's the kind of job that means hauling at a profit it's the kind of job for a Mack.

Experienced truckers know that, year in and year out, no other truck can approach Macks in operating economy...the true measure of truck earning power. This includes not only fuel and maintenance economy —as reflected in the fact that today there are more than twice as many diesel powered Macks on the road as the next nearest make . . . but also in bulldog dependability which reduces unit downtime and road failures to a virtual vanishing point. Even a used Mack will have more life in it—give more economical performance—than most other new makes.

Experienced Mack truck operators learned long ago that they can't afford NOT to use Macks. Ask yourself that same question—then let your Mack representative introduce you to Mack users near you who'll be glad to give you first-hand accounts of Mack performance benefits. Mack Trucks, Inc., Plainfield, New Jersey. Mack Trucks of Canada, Ltd., Toronto, Ontario.

MACK
FIRST NAME FOR
TRUCKS

MACK
for over 8 straight years
NO. 1
by far in sales of diesel trucks

0302 Printed in U.S.A.

TRUCK FLEETS

Continued from Page 306

Highway scramble in Bay State

Massachusetts, faced with imminent loss of $51-million in Federal highway monies, will have to make a quick shuffle of a recent highway sizes and weights law.

State legislators this summer passed a bill upping permissible gross weight limits for all trucks from 60,000 to 73,000 lb. But they forgot to add a Federal requirement for an axle weight limit—18,000 lb for single axles, 32,000 lb for tandems. The omission was made concerning carriers of petroleum products and construction vehicles.

Special action by the U.S. Congress followed. It gave the Bay State legislators time to change the law in January, sent along the money anyhow.

Both Massachusetts solons and the U.S. Bureau of Public Roads had failed to catch the error before the legislature adjourned.

Shippers groups form institute

A group of shippers associations have formed a non-profit group — The American Institute for Shippers' Assns., Inc.

Its offices will be at 600 Munsey Bldg., Washington 4, D. C. The law firm of Dow, Lohnes and Albertson will serve as its general counsel, represent it before the ICC, Congress and courts.

Interchange group changes name

New name for the National Motor Equipment Interchange Committee: Equipment Interchange Assn.

Officers and members of the original group retained their posts in the present setup.

New title with merger

Johnson Motor Lines, Charlotte, N. C., has elected W. E. (Bill) Hampton as Vice president-maintenance. Hampton was formerly president of United Equipment & Service, which merged with Johnson on Aug. 31.

(TURN TO PAGE 316, PLEASE)

Clayton

SERIES CT CHASSIS

DYNAMOMETER

for POWER TESTING

DIESEL or GASOLINE VEHICLES

150 TO 800 H.P.

SINGLE OR MULTI-AXLE DRIVE

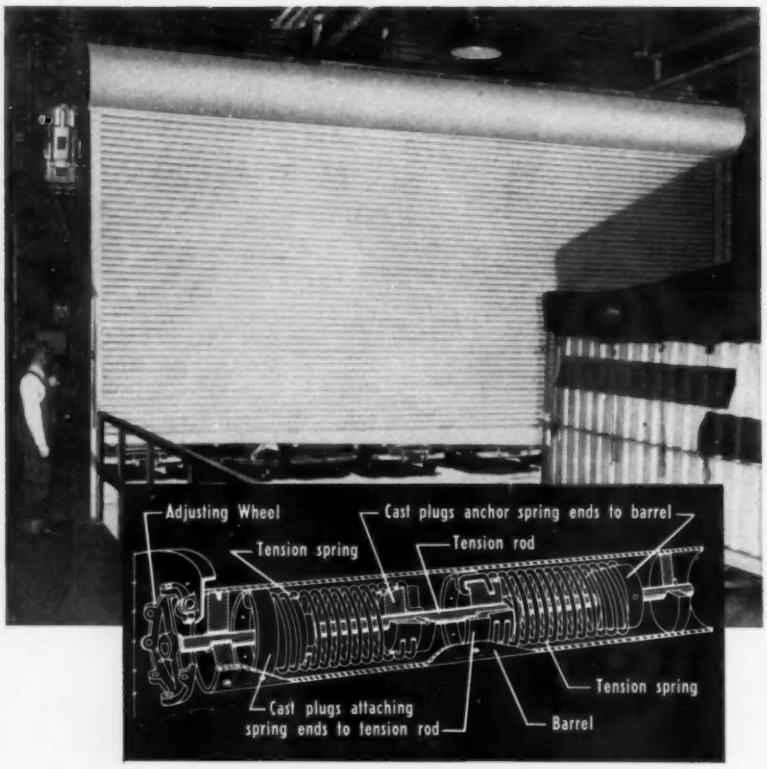
Here's the equipment to *accurately* measure performance under all driving conditions without leaving the shop! Handles all vehicles including medium and heavy duty trucks, single or multi-axle, of from 150 to 800 Road Horsepower with axle loadings up to 22,500 lbs. per axle. Complete FULL POWER tests can be made in a matter of minutes. Clayton infinitely variable load control duplicates road conditions at *any* speed, maintaining any desired torque load on gas, diesel, or L. P. G. engines.

The Clayton Series CT Chassis Dynamometer is indispensable in modern maintenance, overhaul, and service repair operations. Testing with this equipment assures accurate diagnosis, reduces road failures, cuts "downtime" delays, increases shop productivity, provides quality control for all performance-type repairs and maintenance checks, eliminates most driver complaints, assures specified performance and minimum operating costs. Write today for the Series CT catalog (form C-1045)

313

Clayton MANUFACTURING COMPANY
433 N. TEMPLE CITY BLVD.
EL MONTE, CALIFORNIA

More details? Circle 216 on reply card inside back cover



There's a "Barrel of Difference" in Kinnear Rolling Door Quality!

"Longer door life at lower cost" — so often noted by users of Kinnear Rolling Doors — is due to extra strength and quality built into every feature, *including the unique counterbalance system "hidden" beneath the door's hood!*

As illustrated above, special cast plug devices anchor one end of each spring to the barrel, and to the other end to the tension rod, which extends through the door bracket into the adjusting wheel.

No disassembly required to adjust total curtain tension

The adjustment wheel turns all springs an equal amount, in the same direction. The ideal counterbalance action is quickly and easily arrived at, without any disassembling, and tension is always equal on each spring, at all points of curtain travel. This assures maximum service life for the door and its complete counterbalance mechanism.

Every Kinnear Rolling Door is REGISTERED for your protection

Here's "life extension" that protects your Kinnear door investment far into the future: Full details of every door are kept in fireproof vaults. In case of accident or mishap, new parts are always quickly available for any Kinnear Door — no matter how long it has been in use!

Add these advantages to the fact that no other type of door saves so much usable floor, wall and ceiling space—nor combines so much all-metal protection with quick, complete, jamb-to-jamb doorway clearance—than Kinnear Rolling Doors. The result explains why Kinnear Doors are so widely preferred in industrial, commercial and institutional buildings of every type. Write for complete information on Kinnear Rolling Doors!

KINNEAR® ROLLING DOORS
Saving Ways in Doorways

The KINNEAR Mfg. Co.
FACTORIES:
2100-20 Fields Ave., Columbus 16, Ohio
1742 Yosemite Ave., San Francisco 24, Calif.
Representatives in All Principal Cities

More details? Circle 211 on reply card inside back cover

TRUCK FLEETS

Continued from Page 315

Reciprocity and private fleets

Private Carrier Conference has published a 79-page guide of reciprocity agreements for all states and Canadian provinces. It contains a list of all fees, taxes and regs trucks must meet, including weight-size restrictions.

First copy is $10, all others $5 from Private Carrier Conference, 1616 P St., N.W., Washington 6, D. C.

New post for Ringsby driver

Denton J. Stevens is now supervisor of line drivers for Ringsby Truck Lines, Denver.

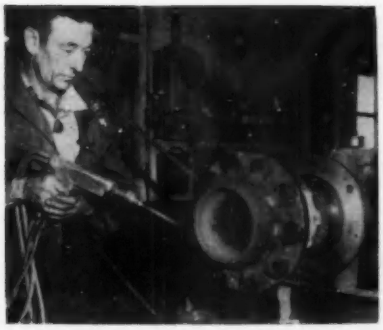
Stevens, a former Ringsby driver himself, has just completed an 18-month executive training program. He'll act as liaison between drivers and management.

He replaces Robert Holder, new general safety manager.

Ford drops Motorcraft name

Ford Motor Co.'s replacement parts marketing division will use the Autolite name, replacing Ford's Motorcraft line. Ford bought exclusive rights to use the name Autolite in April.

GONE IS THE HAND PUMP—Erie-Lackawanna Railroad has bought 50 of these GMC pickups, equipped to ride the tracks like the old hand-pump wagons. GMC furnished the cabs and chassis. Other concerns enlarged the cabs with six maintenance men and equipped the trucks with "Hi-Rail" devices. Pickup runs either on track or highway. Each truck also has a snow plow attachment.



REBUILDING HUBS—Consolidated Machine & Tool Co., Oroville, Cal., rebuilds truck hubs, and says the rebuilt units last from three to five times as long as original cast steel parts. Consolidated uses Colmonoy C-290 crankshaft powder and "Spray-welder" pistol, both made by Wall Colmonoy Corp., Detroit. The metal powder is shot through flame to build up prepared surfaces. Hub is rotated on a special fixture to assure smooth layering of new metal.

A crackdown on credit?

A sudden wave of inflation or scare buying may mean indirect government controls on business. The crackdown could come as higher interest rates and tighter restrictions on credit. This would affect fleet purchasing as well as personal spending.

Direct price and wage controls hinge on the outbreak of limited war or declaration of a national emergency. The indirect controls hinge only on a stronger demand for credit or a rapid inventory buildup.

Government agencies are now preparing plans for a crackdown on credit and inventories. They fear inflation is on its way. Fears are based on the sharp rises in the economy and the forthcoming impact of increased defense spending.

Self-defeating: High gas taxes

Frederick B. Hufnagel, Jr., Sun Oil Co. executive, says many states will collect fewer gas tax dollars than expected because the taxes have become self-defeating.

By 1965, he says, states will be collecting about seven per cent less in gas tax than they are planning.

END

Please Resume Reading Page 17

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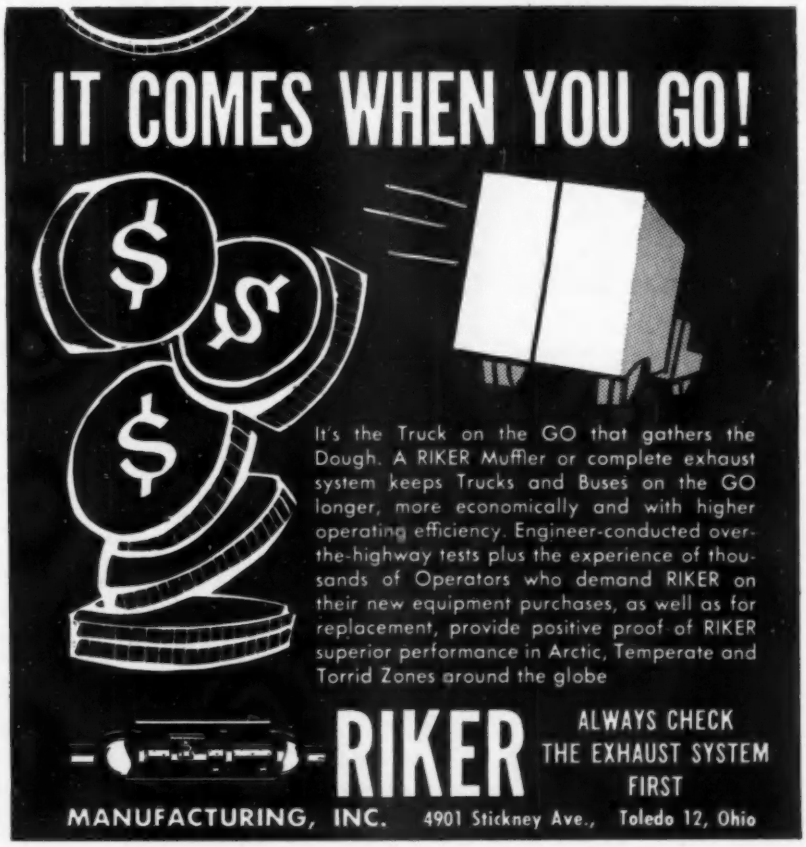

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KNOW WHERE YOUR GAS GOES

Model 2789 with Register, Totalizer and Ticket Printer

NEW BENNETT 2700 SERIES

FLEETMASTER

Accurate accounting records are assured at all times by the new Bennett Fleetmaster Ticket Printer Pump featuring double interlocking that prevents starting before resetting the register. Also the printer must be operated before the pump can make a new delivery and a skip in sequence shows up when a ticket is not used, thus preventing pilferage. Identifier letters are available to indicate delivery from a specific pump. You will also like the smart modern business-machine look and practical everyday utility of this series, available in Standard and Heavy-Duty self-contained or in Remote Control models, all built with the quality and low maintenance cost that are traditional with Bennett. Ticket Printer Pumps are furnished with an accumulative printer but may have a zero start printer if desired. Fourteen foot hose "reach" is provided by 13 feet of ¾ inch hose and nozzle. Fleetmasters are available with register and totalizer only where ticket printer is not desired. All models are Underwriters' Laboratories approved.

See your Bennett Representative for full details.

JOHN WOOD COMPANY

BENNETT PUMP DIVISION • Muskegon, Michigan

IN CANADA: JOHN WOOD COMPANY LIMITED • Toronto • Montreal • Winnipeg • Vancouver

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VEHICLES & EQUIPMENT

Continued from Page 25

Air cars: Up-in-the-air

About the only promise today from the ground effect machines ("air cars") will be for special jobs with ideal conditions, say two General Motors engineers. It does not pose a threat to other forms of transportation, they add.

Before air cars could ever become common sights, a special guidance system would have to be developed. Otherwise, they're too tricky to handle. For instance:

- A gust of wind that wouldn't faze an automobile becomes a real challenge to the driving skill of the "pilot" of an air car.
- Land that looks level may not be level . . . drivers find out when the vehicle starts drifting crazily. (Road crowns would be impossible.)
- Its friction-less drive would similarly hinder precision control. Passing within a few feet at 50 mph would generate a deadly draft.

A LOOK AT FLEET CARS—Over 250 members of National Assn. of Fleet Administrators got a rundown of important features of new fleet cars from each automotive manufacturer last month in New York. Here, Walter H. Langseder, vice president of NAFA introduces Allen E. Fitzpatrick, fleet sales manager for Studebaker-Packard.

REA Leasing Corp., subsidiary of REA Express, has bought a fleet of 501 piggyback units like the one above. Rigs include sets of 20-ft Strick-Tainers moved piggyback as 40-ft units. They are part of a piggyback pool formed by a number of railroads and REA.

Oil filter leaks on '61 Mercs

Early 1961 Mercs with 223-cu in., 6-cyl engines (produced before February, 1961) may develop oil leaks around the oil filter diaphragm plate. The plate was designed so the filter would form a seal when it was fitted against two machined rings cast into the cylinder block.

If the filter does not form a seal, you can adapt the unit to late model specifications by installing a diaphragm plate included in a filter adapter kit.

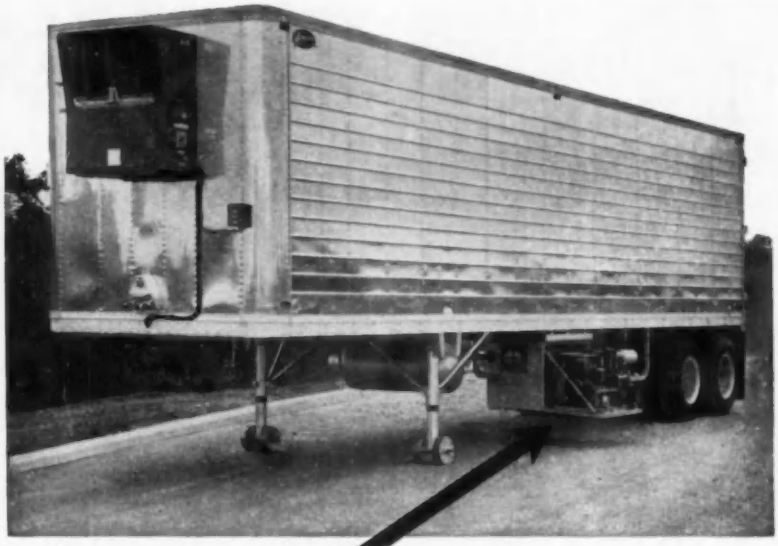
Fleet car briefs . . .

Here, briefly, are changes you may need to make in your maintenance procedures:

- **1961 Lark**—New specifications for front wheel toe-in on models with standard steering: 3/16-in. to ¼-in. (Old specifications were 1/16-in. to ⅛-in.)

- **Valiant**—Lubricate gearshift linkage on cars with manual transmissions every 10,000 miles. Here's how: Remove four screws from gearshift-lever rubber boot, slide boot up from floor pan, and apply engine oil to the pivot points and yoke selector mechanism.

(TURN TO NEXT PAGE, PLEASE)

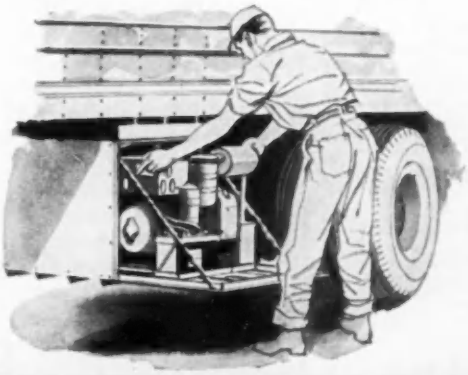


Kohler Electric Plants cut power costs for Super Trailmaster refrigeration units

Efficient, cost-saving power in transit or at the dock is provided by 6.5 KW Kohler electric plants for Arctic Traveler Super Trailmaster units—made by American Manufacturing Company, Inc., Montgomery, Alabama. Mounted beneath the trailer, the compact, air-cooled Kohler plant slides out of the housing for easy, time-saving maintenance at ground level. All heat is exhausted under the trailer. Thermostat-controlled or continuous operation at option of driver.

Kohler electric plants, known everywhere for reliability, are manufactured in sizes to 115 KW, gasoline and Diesel. Write for folder K-21.

KOHLER CO.
Established 1873
KOHLER, WIS.



MODEL 6.5RM52.
6.5 KW, 230 volt, 3 phase, AC. Remote start. Propane operated. Slides out from underneath the trailer for easy servicing.

KOHLER OF KOHLER

Enameled Iron and Vitreous China Plumbing Fixtures • All-brass Fittings
Electric Plants • Air-cooled Engines • Precision Controls

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"THESE LUBRICANTS HAVE KEPT OUR MAINTENANCE AT A MINIMUM"

says: PIOMBO CONSTRUCTION CO. of San Carlos, California

"We have used LUBRIPLATE #107 in Track Roll Bearings, LUBRIPLATE #3 in Rock Drills, LUBRIPLATE #70 in Wheel Bearings and LUBRIPLATE 130A and LUBRIPLATE Gear Shield Heavy on our Shovels for the past twenty years. Our experience has been that LUBRIPLATE Lubricants have kept our lubrication and maintenance costs at a minimum. We highly recommend their use in construction and mobile equipment."

G. J. Giampaoli, Shop Superintendent

REGARDLESS OF THE SIZE AND TYPE OF YOUR MACHINERY, LUBRIPLATE GREASE AND FLUID TYPE LUBRICANTS WILL IMPROVE ITS OPERATION AND REDUCE MAINTENANCE COSTS.

LUBRIPLATE is available in grease and fluid densities for every purpose . . . LUBRIPLATE H. D. S. MOTOR OIL meets today's exacting requirements for gasoline and diesel engines.

For nearest LUBRIPLATE distributor see Classified Telephone Directory. Send for free "LUBRIPLATE DATA BOOK" . . . a valuable treatise on lubrication. Write LUBRIPLATE DIVISION, Fiske Brothers Refining Co., Newark 5, N. J. or Toledo 5, Ohio.

More details? Circle 286 on reply card

VEHICLES & EQUIPMENT

Continued from Page 319

Fleets are buying . . .

Recent and significant vehicle and equipment purchases by fleets include:

Cleveland (Ohio) Transit System—30 Flxible buses to be used in local and crosstown service. Purpose of the purchase is to compare performance of the Flxibles with GMC buses.

U. S. Bureau of Mines—five semi-trailers for hauling helium. Units will be made by G. W. Galloway, Baldwin Park, Calif., for $140,000. Each trailer will be able to haul 88,000 cu ft of helium from the government's helium plant at Amarillo, Tex., to customers.

Greyhound Corp., Chicago—300 single-level Scenicruiser buses. Delivery begins early next year.

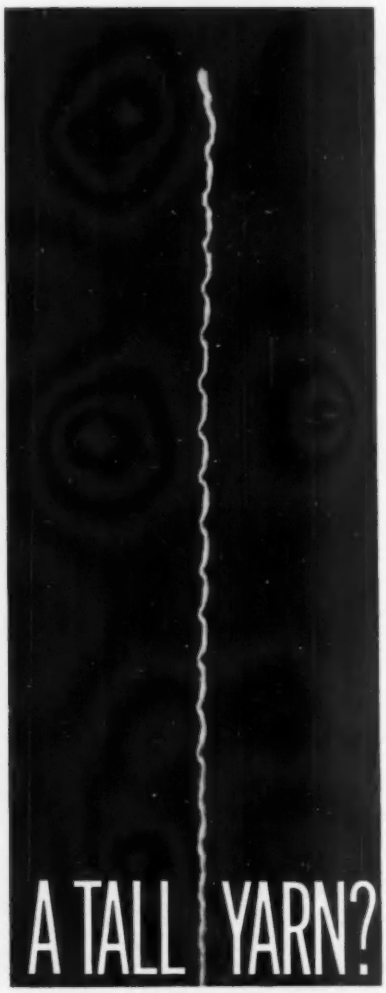
END

Please Resume Reading Page 29

1961 Truck Trailer Shipments

Type of Trailer	August	Eight Months
Vans		
Insulated and refrigerated	542	3,671
Steel	31	394
Aluminum	511	3,277
Furniture	59	851
Steel	41	657
Aluminum	18	194
All other closed-top	2,184	12,521
Steel	613	2,838
Aluminum	1,571	9,683
Open-top	231	1,607
Steel	81	625
Aluminum	150	982
Total—Vans	3,016	18,650
Tanks		
Non- and low-pressure		
Petroleum		
Carbon and alloy steel	95	722
Stainless steel	15	113
Aluminum	73	793
Total—Petroleum	183	1,628
Chemical, food, sanitary	37	378
Dry materials	87	1,139
High-Pressure (LPG), chemicals, etc.	23	220
Total—Tanks	330	3,365
Pole, pipe and logging		
Single axle	17	471
Tandem axle	55	
Total	72	471
Platforms		
Racks, livestock and stake	127	370
Grain bodies, all types	48	463
Platforms (flats), all types	744	4,155
Total—Platform	919	4,988
Low-bed heavy haulers	229	1,836
Dump trailers	158	1,210
All other trailers	91	1,639
Total—Complete Trailers	4,815	32,149
Dump trailer chassis	22	222
Trailer chassis only	176	1,812
Total—Trailers and Chassis	5,013	34,183
Detachable Van Bodies	309	2,095

Source: Industry Division, Bureau of the Census.



Yes. But not a tall story. Because over 500 extra yards of filling yarn give extra strength to the Jelt® Denim in every Lee Bib Overall*. You'll find important extras in all Lee garments, because Lee Industrial Workwear and Uniforms are built to bring you an extra measure of toughness, wearability, efficiency and economy. And they fit into your industry's exact needs.

The Lee line is known as the largest, most complete in the industry. It includes Shirts, Jackets, Pants, Union-alls, Overalls, Service Coats and many others—and custom garments made to your specifications as well. And most important. Workingmen like to wear the Lee garment! It gives them a feeling of good-looking importance. Helps spark their morale—keeps it burning, too!

Call in an experienced Lee Consultant. Get the proven facts on the garments best suited to your needs. You'll find it's worth your while to let Lee work for you!

*(Enough yarn to reach to the top of the Empire State Building and back.)

WRITE TODAY TO
INDUSTRIAL DIVISION
H. D. LEE COMPANY
117 WEST 20th STREET
KANSAS CITY 41, MO.

Lee
UNION MADE

More details? Circle 287 on reply card

DALMATIAN AND ALL—Members of the Globe, Ariz., fire department needed a fire truck. Globe couldn't buy a new one. So firemen took on the project themselves, converted an old sheep truck into the first class vehicle shown here. Many of the materials were scrounged from the city scrap heap. Main expenses in the project were two 50-ft ladders and some other equipment. Total cost: About $2500. In the long run, Globe citizens will save even more—fire protection rates dropped when the new truck was put into service

"PRECISE POWER"

BY CONTINENTAL

MORE POWER TO YOU

IN TRANSPORTATION

CONTINENTAL MOTORS · Powerful as the Nation · AMERICA'S STANDARD ®

Today, no matter what the exact requirement of the job, there's a Continental Red Seal model—gasoline, Diesel, or LPG—engineered and built to meet it down to the last detail. In the transportation field alone a broad range of basic engine models —26 to 300 horsepower—assures PRECISE power for heavy-duty highway trucks and tractors, both as original equipment and as replacements for other makes — in buses, taxicabs, door-to-door delivery vehicles, transport mixers and the like.

Continental Motors Corporation

MUSKEGON, MICHIGAN

More details? Circle 269 on reply card inside back cover

SAVE $800

per year per truck

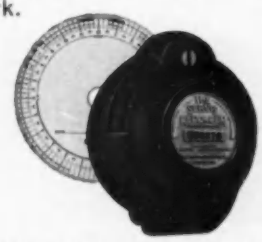
with Servis Recorders

Automatic! Tamperproof!

Records Travel Time and Idle Time of Trucks

Here's the business-like way to check up on delays and overtime. It also gives you a basis for improving scheduling.

Many companies have bought these by the dozen and now have hundreds in daily use. Good drivers like the SERVIS RECORDER and its record of a good day's work.



Makes a clear record on permanent charts. No mechanical hook-up. You could nail it on and it would work! Various models available including a Speed Recorder.

Write for Literature

SERVICE RECORDER CO.

1013F Rockwell Ave. • Cleveland 14, Ohio

CHARTING OUR 2nd HALF CENTURY

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CHILTON'S COMMERCIAL

Commercial Car Journal's M-A-P

...thruway to men who buy in the

FLEETS YOU CAN SELL!

The fleets you can sell most profitably are SELF-SERVICED!

Only the fleets that maintain their own vehicles can order, stock and install your products or buy your equipment in volume.

Today's most direct access to the 32,000 self-serviced fleets is through Commercial Car Journal and its M-A-P. The fleet industry's leading publication now makes available to you its extensive knowledge and resources through a highly flexible Marketing Assistance Program.

Here is marketing help that can make your selling efforts more efficient, your advertising more direct and resultful, your merchandising more effective. M-A-P includes production, sales and registration figures for the industry. Truck engine and construction equipment specifications. Direct-mail lists. Advertising readership reports. Media information. Merchandising services. A staff of specialists to work with you on research projects and surveys.

Commercial Car Journal's editorial excellence and quality circulation are now linked with more comprehensive marketing tools. Talk to your CCJ representative about your own profitable use of M-A-P.

COMMERCIAL CAR JOURNAL, with qualified circulation of 51,006 purchase decision men, concentrates on the nation's 32,000 self-serviced fleets. Its market includes 4,280,310 trucks, trailers, buses and construction vehicles and spends $4 billion annually for fleet maintenance and enlargement. CCJ reports each month on the latest news and trends in management, maintenance, operations and safety.

Chilton
COMPANY
Chestnut and 56th Streets • Philadelphia 39, Pa.

CAR JOURNAL

THE
MAGNUS METHOD

Backed by 40 years of fleet maintenance experience, Magnus Chemical Co. offers a vast number of specialized chemicals and methods, each designed to meet individual fleet problems. For example:

CLEANING ALUMINUM EXTERIORS

For Hard or Soft Water.

Magnus 00-B Aluminum Cleaner — with special wetting agent and activator — cuts road grime in a flash, yet is completely safe for new aluminum finishes and all good paints.

PROTECT METALS AND PAINTS

Armor-Like Coating.

Magnus FP-111 clear coating is a unique dual-purpose, non-lacquer finish. Protects aluminum and other metals from corrosion; protects and rejuvenates old finishes at a fraction of repainting costs.

CLEANING TANK TRUCK INTERIORS

Cut Layover Time.

Magnus specialized cleaners plus experience-backed methods permit quick-cleaning for cargo changeovers. Your Magnus Man can specify the quickest, easiest, cheapest method for any job.

MAGNUS HAS YOUR ANSWER

Write for our FREE fleet maintenance fact file and the name of your Magnus Man for your key to efficient, cost-cutting cleaning methods.

magnus
CHEMICAL COMPANY INC.
38 South Avenue, Garwood, N. J.

Please send FREE fleet file folder and name of Magnus Man.

Name _____

Company _____

Position _____

Address _____

City _____ State _____

More details? Circle 289 on reply card

1961 Domestic Truck Factory Sales by GVW

Month	6,000 lb. and less	6,001-10,000 lb.	10,001-14,000 lb.	14,001-16,000 lb.	16,001-19,500 lb.	19,501-26,000 lb.	26,001-33,000 lb.	Over 33,000 lb.	Total
January	38,400	11,824	635	1,397	7,336	4,139	1,720	1,956	67,407
February	39,039	11,815	584	1,447	7,587	3,791	1,582	1,858	67,703
March	44,003	12,838	864	1,751	10,007	4,979	2,011	3,138	79,573
April	43,323	12,736	737	1,700	9,215	4,467	2,241	3,201	77,620
May	48,242	12,707	839	1,840	10,692	5,597	2,338	2,965	85,220
June	48,268	11,832	1,271	2,001	11,837	6,017	2,333	3,122	86,681
July	40,465	9,725	1,193	1,536	10,121	5,588	1,907	2,307	72,842
August	29,898	8,310	635	1,355	7,650	3,979	1,702	1,935	55,464
8 Mos. 1961	331,638	91,787	6,740	13,027	74,445	38,557	15,834	20,482	592,510
8 Mos. 1960	370,237	105,389	6,962	19,442	99,663	44,890	24,296	23,273	694,152

Source: Automobile Manufacturers Association.

ROCKET RIG — This tractor-trailer unit — 64-ft overall length — is being used to haul 60-ft Minuteman ICBM's to launching sites around the country. Gross weight of the vehicle is 108,000 lb. Trailer has a telescoping hydraulic actuator on each side to tilt it straight up for lowering the missile into its launching silo. A product of GMC's Truck and Coach Division, and other companies, the rig rides on 24 B. F. Goodrich 12-ply rating tires.

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Quality is reflected in every mirror, lamp, switch and reflector

made by

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YANKEE METAL PRODUCTS CORP., NORWALK, CONN.

More details? Circle 270 on reply card inside back cover

BUS FLEETS

Rapid transit—everywhere

Product Literature

Collapsible wire containers called Cargotainers are for shipping and storing loads from 500 to 6000 lb. These and other new materials handling products are illustrated in a brochure from Tri-State Engineering Co., Washington, Pa.
Want more details? Circle 400 on card

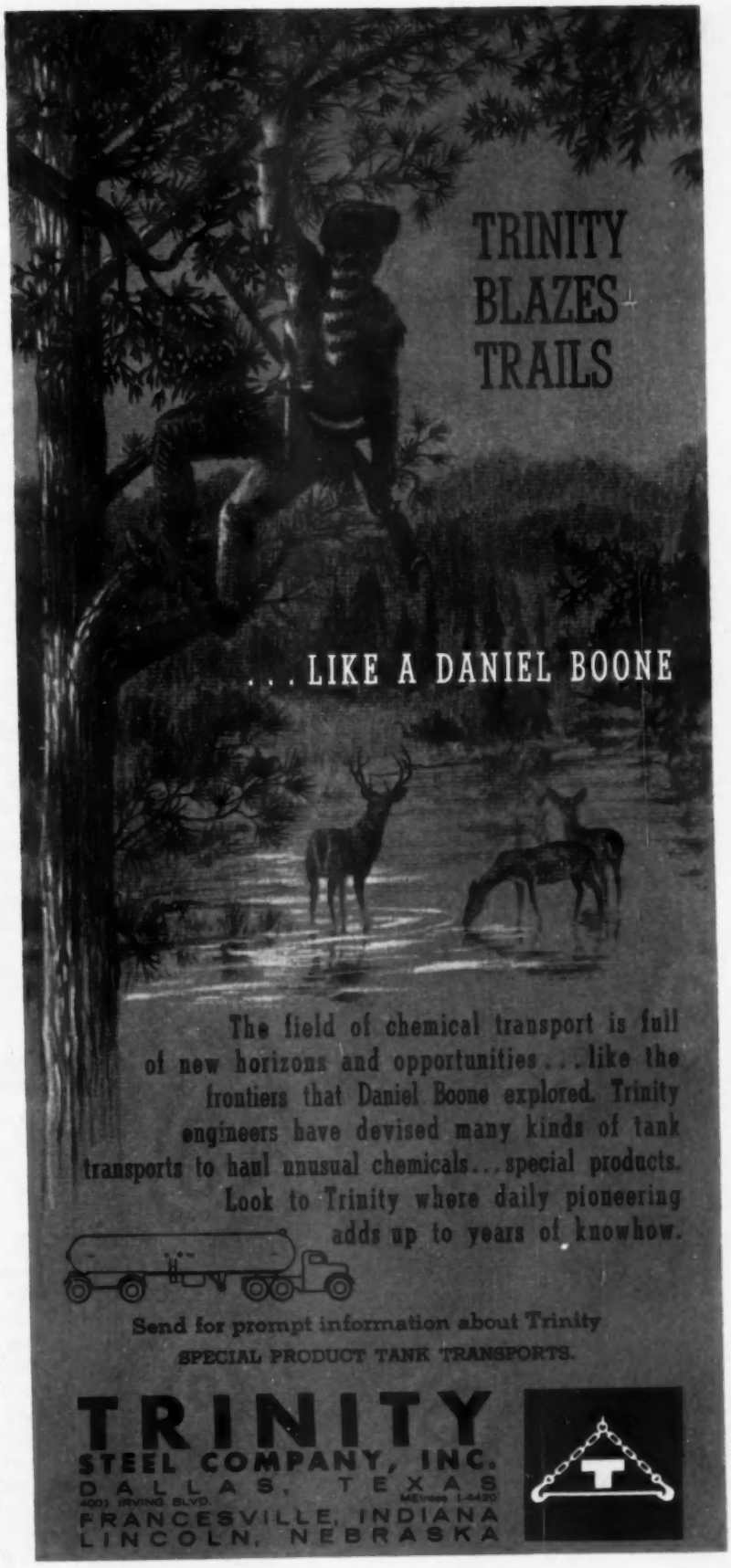
Commercial vehicle finishes called Dulux are described in a new brochure from Du Pont. "Automotive Finishes for Commercial Vehicles" gives step-by-step procedure for surface preparation and application of undercoats and topcoats.
Want more details? Circle 401 on card

Multifuel engines that utilize any fuel from No. 2 diesel to combat gasoline are explained in detail in a just-published brochure from GM's Detroit Diesel Engine Division. The 12 models covered range from 20 to 650 hp. There's also information on converting standard GM diesel engines to multifuel operation.
Want more details? Circle 402 on card

Heavy-duty components for on- and off-highway vehicles and equipment are illustrated in a new set of folders offered by Youngstown Steel Car Corp., Niles, Ohio.
Want more details? Circle 403 on card

Polyurethane foam called Polycel, for truck and trailer insulation and other uses is the subject of a new brochure from Polytron Corp., Los Angeles, Cal. Details include applications, methods and specifications for Polycel 820 series foam systems.
Want more details? Circle 404 on card

"Hold it a minute, Harris!"



More details? Circle 271 on reply card inside back cover

BUS FLEETS

Continued from Page 21

with subway cards, station posters, and in the system's PR folder. Last year, for the first time, TTC promoted the service with 21 x 88-in. exterior signs and recorded announcements over the subway public address system.

In Toronto the tours lasted 12 days last year, up from eight the year before. Peak year was 1956 when two whole weeks were devoted to tours.

Greyhound offers new services

Greyhound has added two services which it hopes will appeal to two types of travelers:

- A through-service by which passengers in New York will be able to board their Scenicruisers and keep the same seats until they reach the West Coast.
- Free return trips for older couples by which they buy the out-bound ticket and get their return tickets free.

Both are now in effect.

The coast-to-coast through bus service has been added at no extra cost to the passenger. Though there are many pick-up points, the trip from New York to San Francisco is scheduled to take 66 hours and 40 min.

The plan for oldsters, called "See America-Travel Companion," applies between major cities east of the Mississippi and the West, and between Florida and selected West Coast and northern points. Trips must begin on Monday through Thursday. And the couple must travel together.

Greyhound already has a "See America Travel Ticket" for foreign visitors. They can travel anywhere in the USA in 99 days for $99.

BUS SIGN WITH DEPTH—Los Angeles buses are sporting these colorful Coca-Cola signs which give a 3-D look to the message. Made of Tenite butyrate plastic, the display poster is vacuum-formed and distortion-printed on the underside. Maker, Plastic Products Mfg. Co., North Hollywood, Cal., says it's easily mounted and resists impacts and effects of weather.

Rapid transit—everywhere

More and more cities are turning to the concept of rapid transit in hopes of moving their commuters in and out of center-city faster.

Add to the list:

Baltimore—where the Metropolitan Transit Authority has begun a study for both rail and bus rapid transit.

Denver—where recommendations concern only rail rapid transit.

Milwaukee—where proposals are for use of a railroad's present tracks for fast rail cars.

Atlanta—where it was recommended to build a $200-million rail system with 32 stations and 60 miles of track.

Vancouver, B. C.—where the British Columbia Highways Minister wants to use an abandoned rail line as the basis for a new system.

St. Louis—where the bus company began offering rapid transit by running on the city's new expressway. Time savings amount up to 40 per cent over previous routes.

Bus accidents follow seasons

Reports, from 201 Class I motor carriers of passengers to the ICC, point up the seasonal character of accidents involving buses.

Deaths reported per 100-million bus-miles

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
1956	19.3	11.0	15.2	19.4
1957	23.0	13.9	14.8	21.9
1958	25.8	13.8	18.2	21.9
1959	20.5	11.7	11.3	20.4
1960	18.3	16.6	...	...

Significantly, of the 36 deaths during the second quarter of 1960, five were bus passengers, 29 were occupants of other vehicles and two were pedestrians.

Trailways helps its men advance

Men and women from Trailways companies along the East Coast last month began their studies at a new school the company is sponsoring—The Personnel Training Institute, Inc.

Carlton Alexander, a former personnel director with McLean Trucking, is directing the Institute. First courses are in supervisor training and driver training. Other courses will be added later to cover a wide range of specialties.

Plans call for the institute's operating year-round with six instructors.

END

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More details? Circle 295 on reply card

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More details? Circle 291 on reply card

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REDTOP SEDAN SERVICE INC.
1000 N.W. Le Jeune Road Miami 35, Florida

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WHAT'S NEW

Here's how CCJ's free inquiry service helps you . . . Just fold out and use these free reply cards to get information about new products, new publications and new fleet ideas

Your inquiries electronically processed by RCA "501" COMPUTER for high speed service to you

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for quick product information

WITH CARDS folded out as they are now, turn to the first page of the WHAT'S NEW SECTION. You'll find many new products and ideas for truck, bus and passenger car fleets. CCJ will help you get complete details on all the items that interest you. On one of the free reply cards, just circle the numbers corresponding to those with the items. Fill in the lines at the bottom of the card, then drop it in the mail. We'll see that your requests reach the right people . . . at no cost to you.

THIS FREE inquiry service also applies to products described by advertisers throughout the book. With the ads are circle numbers like those in the WHAT'S NEW pages. On the same reply card, circle the numbers of advertised items you'd like to know more about. Again, CCJ will see that the right persons receive your requests . . . without cost to you.

Use this free reply card

to write the editors

IF YOU HAVE a special problem in your operation, write and tell us about it. CCJ's editors work for you . . . we'll try to help you find an answer. You can help us, also. If you've solved some unusual problem, let us in on it. It may help other CCJ readers. Of course, if you've any questions of criticisms on what you see in this issue, send those along, too! Your comments tell us what you want to read in CCJ.

Turn this page to see WHAT'S NEW in publications

REPORTS on the other side could make it easy for you to do a better job. From manufacturers, associations and government agencies, they cover operation, regulation, maintenance and equipment selection. Many are free.

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100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480
101	121	141	161	181	201	221	241	261	281	301	321	341	361	381	401	421	441	461	481
102	122	142	162	182	202	222	242	262	282	302	322	342	362	382	402	422	442	462	482
103	123	143	163	183	203	223	243	263	283	303	323	343	363	383	403	423	443	463	483
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118	138	158	178	198	218	238	258	278	298	318	338	358	378	398	418	438	458	478	498
119	139	159	179	199	219	239	259	279	299	319	339	359	379	399	419	439	459	479	499

Nov. 1961 (do not mail after Jan. 31, 1962)

NAME ..... POSITION .....

SERVICE ..... NO

NAME OF FLEET ..... FACILITIES? ..... YES

ADDRESS .....

No. of vehicles: Trucks.....Tractors.....Trailers .....Psgr. Cars.....Other..... CC 22

WHAT WOULD YOU LIKE TO KNOW MORE ABOUT?

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Dear Editors:

_____
month-day-year

NAME .....POSITION .....

LINE OF BUSINESS .....SERVICE.....NO

NAME OF FLEET .....FACILITIES? .....YES

ADDRESS .....

No. of vehicles: Trucks.....Tractors.....Trailers.....Psgr. Cars.....Other.....

November 1961

For quick answer, write your name and address clearly

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WHAT'S NEW in publications

Fold out free reply cards attached to this page at left.

Use them to get free copies or more details, as indicated

A blueprint for the future of the trucking industry is outlined in five pullout charts called Folios for Progress. Published in CCJ's 50th Anniversary issue, the charts are available in sets or individually as long as our supply lasts. To get a free single set, just circle 499 on the reply card. To obtain individual Folios on quantity lots, write your request on the "Dear Editor" card. Specify by Folio No. as follows:

No. 1—The Growing World of Motorized Transport.

No. 2—Rolling Up the Fleet Miles.

No. 3—The Boom Between Cities.

No. 4—Highway Transportation and the National Economy.

No. 5—A Nation on the Move.

Socket wrench sets, loose tools, and new additions to its line are described in a new catalog (No. 102) offered by Wright Tool & Forge Co., Barberton, Ohio.

For free copy, circle 360 on card

Parts cleaning solvents and brushes for all types of automotive service work are featured in a new full-line catalog from Graymills Corp., Chicago.

For free copy, circle 361 on card

Reefer unit for insulated truck bodies up to 12 ft long is described in literature just published by Master-Bilt Mfg. Co., St. Louis, Mo. The Model HTR-50 refrigeration unit is said to automatically maintain a temperature range of 50-55 deg.

For free copy, circle 362 on card

Planetary axles made by Rockwell-Standard Corp., Detroit, are examined in detail in a new question and answer booklet just released by R-S. Its title: "Let's Examine the Facts."

For free copy, circle 363 on card

Fleet air conditioning programs for truck and passenger car fleet operators are now available from Mark IV Division, Dallas, Texas. Details on purchase and installation of various units on quantity basis are given in a brochure just announced by the company. Find out about it now so you can plan to air condition all the vehicles in your fleet for 1962.

For free copy, circle 364 on card

Truck-mounted concrete mixers made by Dunham Mfg. Co., Minden, La., are illustrated and described in new literature for fleet operators.

For free copy, circle 365 on card

Butyl-tire retreading with standard materials is the subject of a brochure just released by Enjay Chemical Co., New York City.

For free copy, circle 366 on card

Household goods handling equipment and supplies are described in the latest catalog for movers and warehousemen published by Elkay Products Co., Springfield, N. J.

For free copy, circle 367 on card

Lifts for trucks, buses and passenger cars are featured in Bulletin No. L-151, just published by Lincoln Engineering Co., St. Louis, Mo. The 12-page bulletin covers the full line of two- and three-post Power Master lifts, plus accessories, service stands, adapters and attachments and other related items.

For free copy, circle 368 on card

Portable power tools for automotive service are shown in a new full-line catalog of air and electric-powered equipment from Thor Power Tool Co., Aurora, Ill. It also includes a complete selection of accessories and kits.

For free copy, circle 369 on card

Portable floor cranes manufactured by Hawkeye Industries, Longmont, Colo., are displayed in a new catalog sheet. It includes complete specs on ½- and 1-ton Safe-T-Lift portable cranes with Turnabout boom.

For free copy, circle 370 on card

Test equipment for diesel and gas turbine engine fuel pumps, injectors and governors are described in a new catalog from Diesel Control Corp., Wilmington, Cal. Catalog UN-G2 contains various types of Unitest testing equipment.

For free copy, circle 371 on card

Seven new lift trucks in the F series just introduced by Allis-Chalmers Mfg. Co., Milwaukee, Wis., are highlighted in a 24-page catalog (BU-680).

For free copy, circle 372 on card

Electrical tapes in both plastic and rubber, for all applications, are shown with complete specifications in a new catalog from Plymouth Rubber Co., Canton, Mass.

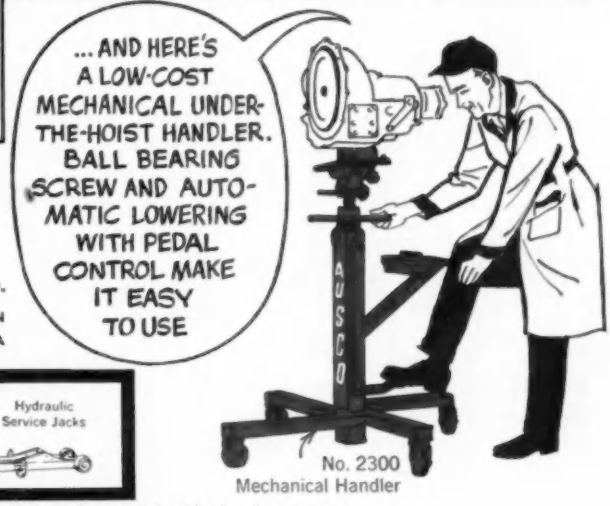
For free copy, circle 373 on card

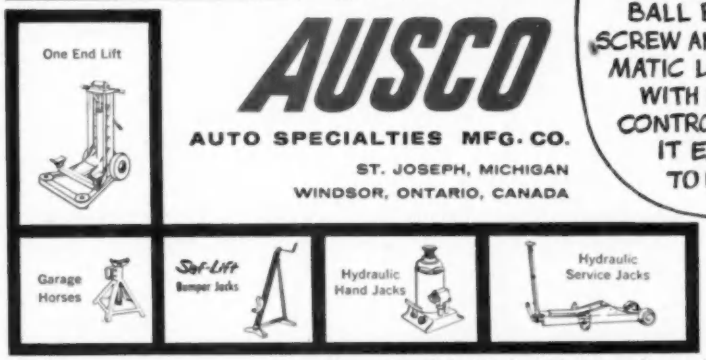
Automotive refinishing materials for all vehicle bodies are described in detail in Catalog No. 6161, just published by Ditzler Color Div., Detroit. Included are sections on surface preparation, undercoats, thinners, reducers, color mixing and polishing compounds.

For free copy, circle 374 on card

Truck selection for the construction industry is the subject of a new illustrated guide offered by Ford Motor Co. It also includes ready-reference weight distribution charts on proper truck selection for all types of transit mix operations.

For free copy, circle 375 on card





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More details? Circle 102 on reply card inside back cover ⟶

Once again Perfect Circle Piston Rings are the overwhelming choice among winners of Fleet Owner magazine's annual Maintenance Efficiency Awards. And what is a better test of piston rings than daily fleet use? In an industry where costs are counted in mills per mile, there's little room for second-guessing. Only replacement parts of proved long-run dependability—equipment that will reduce operational costs and increase profits—are acceptable. That's why, year after year, the majority of award-winning fleets rely on PC rings for greater efficiency on the road—less down time in the shop—and more black ink in the books. Here's real proof of Perfect Circle's superior performance.

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